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UNITED NATIONS TRANSPORT AND COMMUNICATIONS DECADE IN AFRICA, 1978-1988

PORT GUIDE ON AFRICAN MAJOR PORTS

UNITED NATIONS

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FOREWARD

This Port Guide is prepared to provide information on African major ports to ship owners, shippers, forwarding and clearing undertakings and to all port related organizations.

Every effort has been made to ensure that the information provide is correct. However, it should be clear that it is only a Guide and that the information cannot be guaranteed absolutely correct. Therefore, users of this Guide and all those concerned are requested to assist in updating the Guide by providing written comments, information, amendments or corrections and any additional details on ports or terminals to the following address:

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Economic Commission for Africa is pleased to send you this first Port Guide on African Major Ports and hopes that the Guide will will be of some use.

M. Bongoy,
Chief
Transport, Communications and
Tourism Division

PART I

EASTERN/SOUTHERN AFRICAN

PORTS

SUDAN

PORT SUDAN

I. General Information

- Port Authority and Address

1. Sea ports corporation
   P.O. Box 2534
   Khartoum (Sudan)
   Telex: 22464
   Telephone:
   Cable: MAWANI

2. Port Sudan
   P.O. Box:
   Port Sudan (Sudan)
   Telex:
   Telephone:
   Cable:

- Agencies

Both sea Port Corporation and Sudan Shipping Lines are actively engaged in Agency activities apart from their usual functions of port Administration and national carrier respectively.

- Documents

on arrival:

- Harbour Masters Declaration
- Sudan customs declaration
- Quarantine form

In addition:
- 3 crew list
- 3 passengers list
- 1 crew declaration
- 1 dutiable stores
- 4 copies manifest
- 1 copy B/L

1 provisions list

- Bunker

Available alongside quay

- Frsh water

  Available along side quay

- Health

  Radio message required not more than 24 hours and not less than 8 hours before arrival. On receipt the Quaranting Medical Officer will inform ship by wireless whether pratique is granted or not.

- Medical

  Advance notice advisable. Hospital facilities available.

- Repair facilities

  There is a port owned slipway where minor repairs could be provided.

- Communications

  Port Sudan Radio (call sign STP) operates daily on high frequency as follows: 8652 Mcs from 0400 hrs to 1600 hrs GMT; 4356 Mcs from 1600 hrs. to 0400 hrs GMT; 0500 Kcs. listening watch for first ten minutes every hour.
  Also the port has a VHF equipment for direct communications

- Shore leave

  Permitted

- Local Time

  GMT + 2 hours

- Related official bodies in port

  Customs, immigration, quarantine offices located inside the port.

- Holidays

  - Shel El Nesim
  - Ramadan Bairm
  - Kurban Bairm
  - Mohamedan New Year's Day
  - Mulid El Nebi
  - Christmas Day
  - Independence Day
  - Revolution Day

II. Technical Information

a) Entrance

- Channels: Approaches to port Sudan are clear and unobstructed with depths exceeding 200 fathoms. There is a wide approach between the clearly marked off shore reefs.

- Tides: There is a tidal range of 0.1 m and a seasonal variation of 0.85 m chart datum is to low summer water levels (LSWL)

- Pilotage: Compulsory for all merchant vessels greater than 10 N.R.T. entering or leaving the port. A look out station in the entrance reports ship arrivals and acts as the pilot launch berth.

- Towage: There are 3 high powered tugs for berthing, unberthing vessels. They are available about one mile from Harbours entrance. Either ship's or tug's line at pilots discretion.

- Salvage: -

- Others (specify) -

b) Berthing: There are 15 berths at port Sudan with depths, between 8.6 m and 11.4 m. The port is divided into two sections, the main quay (berths 1-11) and south quay (berth 15 to 18).

	No.	Length	Depth
General cargo berths	9	1200 m	8.6-11.42 m
Molasses berth	1	137 m	10 m
Edible oils berth	2	365 m	10.7 m
Passenger berths	-	-	-
Oil berths	2	278 m	11.4 m
Mineral berths	-	-	-
Timber berths	-	-	-
Grain berths	1	205 m	10.7 m
Livestock berths	-	-	-
Fruits and vegetable berths	-	-	-
Container terminals)	Container and Ro/Ro vessels handled		
Ro/Ro terminals)	at General cargo berths.		
Fish berths	-	-	-

Anchorage: There are two anchorage location available, the inner port anchorage and the Towartif reef anchorage.

c) Handling facilities

Stevedoring (public/private)

Both Sudan Sea Port Corporation and Sudan Shipping Lines do Stevedoring. Sea Ports Corporation handles vessels other than of the Sudan Shipping Lines.

Equipment

	No	Type	Capacity
Quay cranes	32	-	3 - 5t
Mobile cranes	29	-	-
Floating cranes	-	-	-
Yard (area) cranes	3	-	3-15 t
Transtainers	4	-	5t each
Travel bridge cranes	-	-	-
Gantry cranes	-	-	-
Straddle carriers	-	-	-
Forklifts (general cargo)	61	-	various capacity
Container forklifts	-	-	-
Trailors	150	-	-
Tractors	90	-	-
Lighters	17	-	250-300 tons

Others (specify): Also 4 shunting locomotives, 9 rubber tyred shunting tractors, 270 internal rail wagons and a number of small trailors are available.

d) Storage facilities

	No.	Area
Covered	20	50,000 m^2
	112	460,000 m^2 (outside port area)
Uncovered	-	21,000 m^2
Cold storage	-	-
Silos	1	50,000 t capacity

Others (specify): 1 depot of 70,000 t capacity for Molasses and edible oil.

III. Other Transport Links to Port

- Railway network:

  No. of lines - Two - Port Sudan/Khartoum via Haiya and Atbara and,

  - Port Sudan/Khartoum through Kassala and Wad Medani

- Road network
  - A new road link Sudan/Khartoum was completed in 1980 to ease the traffic between the only port of the Sudan, Port Sudan, and the hinterland.

- Air connection
  - International airport: Yes. International flight frequences - Port Sudan has all weather airport and daily jet services to Khartoum. There is a service also to Jeddah.

- Inland Water Transport -

- Pipelines: A pipeline for oil products between Port Sudan and Khartoum was completed in 1977 having a capacity of 600,000 tons per year with provisions for an increase to 1 m tons.

IV. Port Development and Expansion Plane

The port is currently undergoing a development programme under which it should achieve the capacity to handle the growing volume of import and export expected to increase sharply in the next 10 days.

The programme of development is broken into 3 stages.

Stage one: envisages to reorganize the port by maximising the potential of existing facilities and to introduce modern mechanical cargo handling equipment;

Stage two: It is an extension of stage one. It includes extension of storage facilities, construction of civil works such as roads, offices, etc.

Stage three: It is follow-up implementation of stage one and two programme. The project will be completed in 1988.

ETHIOPIA

ASSAB PORT

I. General information

- Port Authority and Address

1. Marine Transport Authority
P.O. Box 1861
Addis Ababa (Ethiopia)
Telex: 21280
Telephone: 159066, 159457

2. Assab Port
P.O. Box 58
Assab, Ethiopia
Telex: 34031 ASBOUR
Telephone: 660710

- Agencies

- Marine Transport Authority for Stevedoring:

- Maritime Transit Services for Shipping, clearing forwarding agencies.

- Documents

- 5 manifest for transit passengers
- 5 manifest for landing passengers
- 5 crew list
- 1 provision list
- 1 personal effects list
- 1 store list
- 6 cargo manifest

- Bunker

Available along side quay

- Fresh water

Available along side quay

- Health

Quarantine officer boards arriving vessels and necessary medical clearance given.

Medical

Medical Doctors may be called on board at any time to attend sick crew or passengers by arrangement with Agents. Hospital facilities available in town.

Repair facilities

Minor repairs of deck and engine available

Communications

a) coastal radio station available
b) VHF system installed and ship to shore communications possible

Shore leave

Permitted

Local time

GMT plus 3 hours

Related official bodies in port

Customs, immigration and quarantine offices located within the port.

Holidays

- September 11 and 12, Ethiopian New Year and Popular Revolution Day respectively
- September 17, the finding of the true cross,
- December, date to be announced, Birthday of the Prophet Mohammed,
- January 7, Ethiopian Christmas,
- January 19, Ethiopian Epiphany,
- March 2, Victory of ADWA,
- April 6, Ethiopian Patriots Victory Day,
- Ethiopian Good Friday,
- Ethiopian Easter,
- May 1, International Labour Day,
- June, Id Alfater (Remadan),
- Id - Al - Adh - (Date to be announced),

Technical Information

a) Entrance:

The approaches present no difficulties. There are 4 channels approaches leading into the harbour.

- Channels: There are two entrances, North entrance and South entrance with a depth of 11.6 m
- Tides: Tidal range is about 0.3 (1 ft). Tidal currents appear to run approximately N.E. and S.E.
- Pilotage: Pilotage is compulsory for all vessels over 100 N.R.T. Pilots embark about 1/2 miles. 24 hours pilots service.
- Towage: Tug services for mooring/unmooring vessels are required. There are 3 tugs of 600, 1200, 1400 HP respectively.
- Salvage: Salvage services are provided. Special arrangement with Port Authority is required.
- Others (specify): -

b) Berthing:

There are two sections namely North half jetty (1620 ft long, 36 ft depth) and South half jetty (1738 ft long, 19-34 ft depth). Two coaster piers, each 260 ft long, 26 ft depth available.

	No.	Length	Depth
General cargo	6	3358 ft	19-36 ft
Passenger berths (at general cargo berth)	-	-	-
Oil berths (anchorage)	1	Limitless	48 ft
Mineral berths (Salt) anchorage	1	Limitless	48 ft
Timber berths	-	-	-
Grain berths (at general cargo berth)	-	-	-

	No.	Length	Depth
Fruits and vegetable berths (at general cargo berth)	-	-	-
Container terminals (at general cargo berth)	-	-	-
Ro/Ro terminals (at general cargo berth)	-	-	-
Fish berth	-	-	-

Anchorage: Assab Bay provides good anchorage 42 to 48 ft 3 sand and coral bottoms, good holding ground.

Additional berthing facilities are:

a) Coaster piers: There are two coaster piers situated between the two jetties, each 260 ft long and have each 7-9 m depth along side.

b) Oil harbours: There are three terminals namely shell jetty, coastal tanker jetty and refinery Jetty.

c) Salt Loading Terminal: Loading salt is by rope-way anchorage.

c) Handling facilities

Stevedoring

Marine Transport Authority does Stevedoring in Assab Port.

Equipment

	No.	Type	Capacity
Quay cranes	18	-	63, 10, 20 t
Mobile cranes	16	-	5-50 t
Floating cranes	-	-	-
Yard cranes	-	-	-
Transtainers	-	-	-
Travel bridge cranes	-	-	-
Gantry cranes	-	-	-
Straddle carriers	-	-	-
Forklifts (general cargo)	64	-	3.6-25 t
Container forklifts	-	-	-
Trailors	154	-	5-40 t
Tractors	56	-	30-70 Hp
Lighters	-	-	-
Others (specify)	-	-	-

d) Storage facilities

	No.	Area
Covered	14	42,902 sq. m
Uncovered	-	200,000 sq.m
Cold storage	-	1,300 m^3
Silos	-	-
Others (specify)	-	-

III. Other Transport Links to Port

- Railway network: (under study)
- Road network: Two directions of 980 and 1000 km each. Road transport is only connection with hinterlands.
- Air connection: International Airport, No. There are three times weekly air services from Addis Ababa.
- Inland Water Transport: --
- Pipelines: (under study)

IV. Port Development and Expansion Plans

There are three main port development programme for the port of Assab. They are:

a) Reconstruction and expansion of the port of Assab,

b) Repair and reconstruction of lighthouses,

c) Training of port personnel and establishment of training centre. Apart from extension development programme of the port, the Government embarked many development schemes of provision of cargo handling equipment. Construction of storage facilities, improving port road system, housing facilities for port staff etc. Modern high powered tug boats and well equipped pilot boats for safe manuoeuvering of vessels have been purchased. Adequate communications facilities have been also provided.

MASSAWA PORT

I. General information

Port Authority

1. Marine Transport Authority
P.O. Box 1861
Addis Ababa, Ethiopia
Telex: 21280
Tel. 159066, 159457

2. Massawa Port
P.O. Box 73
Massawa, Ethiopia
Telex: 42066
Tel. 552122

- Documents

See under Assab port

- Bunkers

Available along side quay. Also supply of oil could be effected by trucks inside the Commercial Harbour.

- Fresh water

Available along side quay

- Health

See under Assab

- Medical

See under Assab

- Repair facilities

A ship repair yard of about 1000 tons. Capacity is available for any minor and major repairs. There are workshops that give quick services during the vessels' stay at berth.

- Communications

a) Assab, Asmara, Djibouti or Aden Radio may be used.

b) VHF system installed for ship to shore communications.

- Shore leave

Permitted

- Local time

GMT plus 3 hours

- Related official bodies in port

See under Assab port

- Holidays

See under Assab port

II. Technical Information

a) Equipment

Entrance to the commercial harbour is only one and entrance is possible 24 hours.

- Channels: There is no difficulty in approaching the port of Massawa. The two channels used are North and South.
- Tides: Lowest: 0.2 ft.
  Highest: 4.0 ft.
- Pilotage: Pilotage is compulsory for all vessels over 100 N.R.T. The pilot boards a vessel about 1 mile.
- Towage: Tug boats of 350 and 1000 HP are available for berthing and unberthing of vessels.
- Salavage: Available, contact Port Authority.
- Others (specify) --

b) Berthing:

There are 6 berths of 907 mts length and drought from 16 to 30 ft. There are two oil berths, one salt berth and one cement berth in addition.

	No.	Length	Depth
General berths	6	907 mts	16-30 ft
Passenger berths (at general cargo berth)	-	-	-
Oil berths	2	limitless	48 ft
Mineral berths (salt)	1	300 mts	48 ft
Timber berths	-	-	-
Grain berths (at general cargo berth)	-	-	-
Livestock berths (at general cargo berth)	-	-	-

	No.	Length	Depth
Fruits and vegetable berths (at general cargo berth)	-	-	-
Container terminals (at general cargo berth)	-	-	-
Ro/Ro terminals	-	-	-
Fish berths	-	-	-

Anchorage: 8 cables East of main lighthouse

c) Handling facilities

Stevedoring

Contact Port Authority. It provides Stevedoring service.

Equipment

	No.	Type	Capacity
Quay cranes	6	-	5t each
Mobile cranes	5	-	5-150 t
Floating cranes	-	-	-
Yard cranes	-	-	-
Transtainers	-	-	-
Travel bridge cranes	-	-	-
Gantry cranes	-	-	-
Straddle carriers	-	-	-
Forklifts (general cargo)	15	-	3-6 t
Container forklifts	-	-	-
Trailors	49	-	5-40t
Tractors	12	-	30-70 t
Lighters	-	-	-
Others (specify)	-	-	-

d) Storage facilities

	No.	Area
Covered	9	16,151 sq. m
Uncovered	-	33,100 sq. m.
Cold storage	-	-
Silos	-	-
Others (specify)	-	-

III Other Transport Links to Port

- Railway Network: Subspended for the time being.
- Road network: Bitumen road connection of 115 km exists between Massawa port and main hinterland centre of Asmara city.
- Air connection: International airport; No. Air connection with Asmara International Airport exists.
- Inland Water Transport - --
- Pipelines: --

IV. Port Development and Expansion Plans

There are two port development projects for the port of Massawa:

a) Rehabilitation and expansion of berthing facilities in the port of Massawa;

b) Rehabilitation and expansion of ship repair yard at Massawa.

Port development programme envisaged for the port of Massawa is rehabilitation and expansion of berthing facilities of the port. The port, which was constructed in mid-1800, requires massive rehabilitation work. The development programme is to begin shortly.

Additional storage facilities and cargo handling equipment have been purchased recently to cope with the growing traffic demand of the port.

The ship repair yard, a subsidiary of the port, has been improved greatly to provide better services to vessels in need of repairs.

DJIBOUTI

DJIBOUTI PORT

I. General information

- Port Authority and address

Port Autonome International de Djibouti
B.P. 2107
Telex: 5836 Dj
Tel. 352331

- Agencies

Both private and public agencies available. Contact Port Authority for addresses.

- Documents

Crew list for ship's agent, crew manifests and passengers manifests in transit or for disembarkation, health declaration, cargo manifest (five copies) are required.

- Bunkers

Almost all Bunkering products are available in Djibouti. Notice of 24 hours to the agent will be required for prompt supply.

- Fresh water

Fresh water of good quality is distributed to the ships from reservoires. Each quay has a supply means.

- Health

Free pratique by radio can be granted to ships applying for the same through coast wise station. Ships without such request is forbidden to berth without clearance.

- Medical

Port medical service provides light injuries services to ships. In town medical facilities available.

- Repair facilities

Slip way facility available. Small repairs available.

- Communications

For short distance communications, ships contact the shore by radio telephone VHF through the hurbour master's office. For medium or long distance communications, ships contact the shore by radio telegraphy and radio telephone through Djibouti coast-wise station.

- Radio Telephone: Frequency 1,605 to 2,850 kc/S, call sign Djibouti/ Radio/T.X.Z. call frequency 2,182 kc/s.

- Radio Telegraphy: Call sign: T.X.Z., call frequency: 500 kc/s. V.M.F. contact available.

- Shore leave

Permitted

- Local time

GMT plus 3 hours

- Related official bodies in port

Customs, immigration and quarantine offices located inside port area.

- Holidays

New Year's Day (1st January)

Aid-El-Fitter and the following Day

Labour Day (1st May)

Ascension Day:

Aid-El-Kebir and the following day

Muslem New Year (1st Monharam)

National Day (24 July)

Mouloud El-Nabi

Armistice Day (11 th November)

Christmas Day

II. Technical Information

a) Entrance

- Channels: Access to the buoy of Djibouti can be made through North passage which has beacons.
- Tides: The tidal currents are very weak in the bay and rarely exceed 1 knot.
- Pilotage: It is compulsory for ships of 150 tons and above
- Towage: In winter (October to February) a single tug is generally sufficient for manoeuvering. In summer during the "khamsin" period, berthing or sailing often requires two tugs. Tug boats of different sizes available - 1400, 1500, 1800 H. powers.
- Salvage: Contact Port Authority
- Others (specify) --

b) Berthing8

	No.	Length	Depth
General cargo berths	6	1332 m	12-30 ft
Passenger berths (at general cargo berths)	-	-	-
Oil berths	4	910 m	27-29 ft
Mineral berths	-	-	-
Timber berths	-	-	-
Grain berths (at general cargo berths)	-	-	-
Livestock berths (at general cargo berths)	-	-	-
Fruits and vegetable berths (at general cargo berth)	-	-	-
Container terminals	2	400 m	31-39 ft
Ro/Ro terminals (at container berth)	-	-	-
Fish berths (at general cargo berth)	-	-	-

Anchorage: Enough ground for anchorage available.

c) Handling facilities

Stevedoring (public/private)

Several private companies provide Stevedoring services. The port does not possess installed cranes but has a floating crane and some mobile cranes. Most of the cargo handling equipment are owned by private Stevedors. Ships are discharged/loaded with ship's gears.

The container and Ro/Ro terminal is equipped with the following equipment.

- two gantry cranes at berths 1 and 2 of 35 tons capacity each.
- twelveth forklift trucks of 12-40 tons capacities. eight trailers for containers.

d) Storagefacilities

	No.	Area
Covered	6	22,530 m^2
Uncovered	8	63,530 m^2
Cold storage	10 (from 30 to plus 18)	2,000 m^2
Silos	-	-
Others (specify)	-	-

III. Other Transport Links to Port

- Railway network: Connected with Ethiopia by Djibouti/ Ethiopian Railway.
- Road network: The port is also connected by road with most parts of the country and with Ethiopia.
- Air connection: International airport; Yes. The international airport at Djibouti has regular flights to Europe, Africa and middle East.
- Inland Water Transport: --
- Pipelines: --

IV. Port Development and Expansion Plans

The recently developed container terminal is providing better transhipment and transit facilities to the countries around Djibouti. The project which is completed in 1985 and is operational at present costed 3.8 billions Djibouti Franc (about US$1.9 million).

There are two projects to be implemented shortly and they are Training Project of port staff members and administrative building construction.

SOMALIA

MOGADISHO PORT

I. General Information

- Port Authority and Address

1. Somali Ports Authority
P.O. Box 935
Mogadisho (Somalia)
Telex: 611 SSA MOG SM
Tel. 20263
Cable: SOMPORT

2. Mogadisho Port
c/o Somali Ports Authority
P.O. Box 935
Mogadisho (Somalia)
Telex:
Tel.
Cable:

- Agencies

Public Shipping, Stevedoring, Clearing and Forwarding Agencies

For Stevedoring contact: Somali Ports Authority;

For shipping agency, contact:
1. Somali Shipping Agency and line,
P.O. Box 35 Mogadisho (Somalia)
Tel. 20054, 22031, 23012
Telex: 611 SSA MOG
Cable: Shippers

For clearing, forwarding contact:
Somali Clearing and Forwarding Agency
Tel. 48010
(more information c/o Somali Ports Authority)

- Bunker

Not available

- Frensh water

  Available at Wharf through hoses. Provisions also available through ship chandling agency.

- Health

  Pratique is granted for all vessels after Port Authority and Port Health Services board vessels. Any suspected illness aboard to be reported to Doctor on arrival.

- Medical

  Medical services for minor incedents obtained the through port medical service department; serious illness to be referred to Hospitals.

- Repair facilities

  Management has well-equipped mechanical workshop able to carry out minor repairs on ships.

- Communications

  Mombasa and Aden Radio. A 25 KW harbour VHF is operating continuous.. Range 100 miles, channels 12-14 and 16.

- Shore leave

  Permitted

- Local time

  GMT + 3 hours

- Related official bodies in port

  Customs, immigration, quarantine offices located within port premises; security through port policy. Fire precautions available through Port Authority.

- Holidays

- Lidil Fitri - 2 days (dates to be announced)

- Lidil Adha - 2 days

- Prophet Mohamed's birthday - 1 day (dates to be announced)

- International Labour Day - 1st May

- Northern Region Independence - 2 June

- Southern Region Independence - 1st July

- Revolution Day - 21st and 22nd October

II. Technical Information

a) Entrance

- Channels: Entry to the port is directly from the open sea. Two pairs of leading light in line bearing 311° and 278° respectively, lead to the east facing entrance which has a depth of at least 10 m. LLW. A third pair of light beacons lead parrallel to the general cargo quay.

- Tides and current: Tidal heights at MHWS 2.7 m; MHWN 1.8 m and MLWN 1.3 m.

- Pilotage: Compulsory for vessels over 200 N.R.T. pilots board off the entrance. 24 hrs. service. VHF 2 pilot boats of 180 HP of 8.50 knots each available.

- Towage: Use of Tug boats compulsory for vessels over 200 N.R.T. During entrance and leaving of vessels. Two tugs of 1400 HP each and one of 4000 HP fitted with fire fighting appliances are available.

- Salvage: One Tug of 4000 HP and another of 6000 HP fitted with fire fighting appliances are available. Joint Somali/Dutch Company (Willem Muller) operate.

- Others (specify): Other marine crafts available are 3 of total Horse Power of 2980. They are owned by Somalia Ports Authority for different purposes.

b) Berthing: Total port area 270,000 sq.m, brakwater length 930 m,total quay length 1000 m,

	No.	Length	Depth
General cargo berths	6	1000 m	8-12 m
Passenger berths (No specific, possible at general cargo berths)	-	-	-
Oil berths (at main port) also separate terminal near refinery	1	180 m	12 m
Mineral berths	-	-	-
Timber berths	-	-	-
Grain berths	-	-	-
Livestock berths	1	120 m	8 m
Fruits and vegetable berths	1	140 m	10 m
Container terminals	1	200 m	10 m
Ro/Ro terminals	1	200 m	10 m
Fish berths (old Mogadisho port)	-	-	-

Anchorage: Open roads lead with good holding in a depth of 1 m. about 6 cables offshore.

c) Handling facilities

Stevedoring: Public Stevedors: Somali Ports Authority. The port works 3 shifts of 8 hours duration commencing at 06.00 to 06.00 of the next day.

Equipment

	No.	Type	Capacity
Quay cranes	9	-	Total 109 t single max. 30 t
Mobile cranes	-	-	-
Floating cranes	-	-	-
Yard cranes	-	-	-

	No.	Type	Capacity
Transtainers	-	-	-
Travel bridge cranes	-	-	-
Gantry cranes	-	-	-
Straddle carriers	-	-	-
Forklifts (general cargo)	7	-	Total 20 T Single max. 5 t
Container Forklifts	-	-	-
Trailors	56	-	Total 960 t single max. 40 t
Tractors	14	-	Total 914 HP single max. 80 t
Lighters (older Mogadisho port)	-	-	-
Others (specify):	-	-	-

d) Storage facilities

	No.	Area
Covered	-	15,000 sq. mts
Uncovered	-	30,000 sq. mts for containers and plus large open area.
Cold storage	-	-
Silos	-	-

Others (specify): 3 sheds for transit cargo.

III. Other Transport Links to Port

- Railway network -
- Road network: Two, one from North another from South of the country. Roads extend upto borders in both cases.
- Air connection: International airport; Yes. 5 km. South.

  Airlines regular flight: Somali Airlines to Nairobi, Sanaa. Jeddah, Doha; Abu Dhabi, Cairo, Rome, Frankfurt

	No.	Area
- Inland Water Transport:	-	-
- Pipelines:	-	-

27. Port Development and Expansion Plans

The new port of Mogadisho was completed in 1978 and became operational the same year. The six berths port is assumed to be adequate for the time being. However, if traffic would warrant, there is the possibility of extending the break water by 400 mts. and thereby provide more berths.

BERBERA PORT

I. General Information

- Port Authority

1. Somali Ports Authority
P.O. Box 935
Mogadisho (Somalia)
Telex: 611 SSA SM
Tel. 20263
Cable: SOMPORT

2. Berbera Port
P.O. Box 141
Berbera (Somalia)
Cable: SOMPORT

- Agencies

Public shipping, stevedoring, clearing and forwarding agencies.

For addresses of Agencies see under Mogadisho Port.

- Documents

See under Mogadisho Port

- Bunker

Available

- Fresh water

Supplied to ships through pipes along side the quay.

- Health

Same under Mogadisho Port

- Repair facilities

Same under Mogadisho Port

- Communications

Berbera port radio station (60) listening on 500 KHZ. Working frequency 450 KHZ. Working 007 hours local time to 1700. Traffic list three time a day at 08.00, 12.00 and 16.00 local time.

- Shore leave

  Permitted

- Local time

  GMT + 3 hours

- Related official bodies in port

  Same under Mogadisho port

- Holidays

  Same under Mogadisho port

II. Technical Information

a) Entrance

- Channels: Tamara point light marks the western end of the sandy spit which forms the north side of the Harbour. The alighment of two light becomes at the head of the harbour, in line bearing 068° 5', indicates the centre-line of the harbour and leads close north of an 8m. Shoal cables of the oil berth.

- Tides: Tidal current are 10 m/min. - 20 m/min. During the period of extreme wind speed exceeding 25 m./s. The tide is generally duirnal in with one m. daily peak dominating the smaller semi-duirnal astronomically tidal movements.

- Pilotage: Compulsory for all vessels over 200 N.R.T., carried out on a 24 hour basis. The pilot meets vessels 5-10 cables SW of Tamara light. Two pilot boats available.

- Towage: Compulsory for all vessels over 200 N.R.T., service round the clock. Two tug.

- Salvage: Contact Mogadisho port (see under Mogadisho Port)

- Others (specify): --

b) Berthing: Total quay length of 320 m. and 40 m. width apron. Total port area is 4030 m. sq. priority is given to livestock vessels. 60% livestock export of Somalia is through Berbera port.

	No.	Length	Depth
General cargo berths	2	160 m	9.5 m
Passenger berths (in general cargo berth)	-	-	-
Oil berths (separate terminal)	-	-	-
Mineral berths	-	-	-
Grain berths (at general cargo berths)	-	-	-
Livestock berths (at general cargo berths)	-	-	-
Fruits and vegetables berths	-	-	-
Container terminals	-	-	-
Ro/Ro terminals	-	-	-
Fish berths	-	-	-

Anchorage: There are two anchorage areas namely outer and inner anchorage areas.

c) Handling facilities

Stevedoring (public/private)

Public Stevedoring Company: Somali Ports Authority. The port works two shifts of 12 hrs. Duration each commencing at 0600 and 16.00 local time.

Equipment

	No.	Type	Capacity
Quay cranes	4	-	17 tons in total and a crane of 30 ton
Mobile cranes	-	-	-
Floating cranes	-	-	-

	No.	Type	Capacity
Yard cranes	-	-	-
Transtainers	-	-	-
Travel bridge cranes	-	-	-
Gantry cranes	-	-	-
Straddle cariers	-	-	-
Forklifts(general cargo)	4	-	5 tons each
Container forklifts	-	-	-
Trailors	7	-	-
Lighters	-	-	-
Others (specify)			

d) Storage facilities

	No.	Area
Covered	-	10,000[a]
Uncovered	-	15,200 meters
Cold storage	-	-
Silos	-	-
Others (specify)	-	-

III. Other Transport Links to Port

- Railway network: None
- Road network: Connection with Hargesa town and the surrounding
- Air connection: International airport; No. Local flight available
  Airlines serving (major ones): From Mogadisho
- Inland Water Transport: --
- Pipelines: --

IV. Port Development and Expansion Plans

Berbera port was rebuilt in 1964. There is an extension plan of 330 meters of quay for future use. As of recent time the Government obtained financing for some superstructure facilities of the port. Currently no development plan.

KISMAYO PORT

I. General Information

- Port Authority and Address

1. Somali Port Authority
P.O. Box 935
Mogadisho (Somalia)
Telex: 611 SSA SM
Tel. 20263
Cable: SOMPORT

2. KISMAYO PORT
c/o Somali Port Authority

Agencies

See under Mogadisho port

Documents

See under Mogadisho port

Bunker

Not available

Fresh water

Available at Wharf through hoses

Health

See under Mogadisho port

Medical

See under Mogadisho port

Repair facilities

Not available

Communications

At present there is no local coastal station in operation. Messages can be sent to agents by telex service.

Shore leave

Permitted

Local time

GMT + 3 hours

- Related official bodies in port

See under Mogadisho port

Holidays

See under Mogadisho port

II. Technical information

a) Entrance: A series of coral reefs and shoals between which two passes, passco di Levente and passo Nord, lead into the bay.

- Channels: A dredged channel to 9.5 meters over a bottom of 100 meters width and limited with a new system of lighted buoys.
- Tides: Tidal hights at MHWS 2.3 meters, MHWN 15 meters and MLWN 0.8 meters.
- Pilotage: Compulsory for vessels over 200 NRT. The pilot boards about 2 miles SE of the fairway. There is one pilot boat.
- Towage: Two tugs each of 800 HP are available to assist in berthing operations.
- Salvage: See under Mogadisho port
- Others (specify):

b) Berthing: Total berths of 4 of 620m long. Total port area 50,000 sq. m.

	No.	Length	Depth
General cargo berths	3	480 m	9.5 m
Passenger berths	-	-	-
Molasses terminal	1	140 m	9.5 m

	No.	Length	Depth
Oil berths (at a separate terminal)	-	-	-
Mineral berths	-	-	-
Timber berths	-	-	-
Grain berths	-	-	-
Livestock berths (at general cargo berth)	-	-	-
Fruits and vegetables berths (at general cargo berth)	-	-	-
Container terminals	-	-	-
Ro/Ro terminals	-	-	-
Fish berths	-	-	-

Anchorage: North of the fairway buoy in about 11 m. cables of ISO lette Favatu

c) Handling facilities

Stevedoring

Somali Port Authority provides Stevedoring services. There are three shifts of 8 hours each.

Equipment	No	Type	Capacity
quay cranes	4	-	Total 47t maximum single 9t
Mobile cranes	-	-	-
Floating cranes	-	-	-
Yard cranes	-	-	-
Transtainers	-	-	-
Travel bridge cranes	-	-	-
Gantry cranes	-	-	-

	No.	Type	Capacity
Forklifts (general cargo)	3	-	8 t each
Trailors	10	-	--
Tractors	4	-	-

Storage facilities

	No.	Area
Covered	2	1000 sq mts.
Uncovered	-	3000 sq mts.
Cold storage	-	-
Silos	-	-
Others (specify)	-	-

III. Other Transport Links to Port

- Railway network:
- Road network: Mogadisho - Kismayo road (bituminous)
- Air connection: International airport; No. Local flights from Mogadisho
- Inland Water Transport:
- Pipelines: _____

IV. Port Development and Expansion Plans

No development plan envisaged at present.

KENYA

MOMBASA PORT

I. General Information

- Port Authority and Address

1. Kenya Ports Authority
P.O. Box 95009
Mombasa (Kenya)
Telex: 21243 "BANDARI"
Tel. 312211/21211
Telegram: "KENPORT"

- Agencies

1. Kenya Cargo Handling Services Company Ltd. for all cargo handling in Mombasa Port;

2. Private Shipping clearing and forwarding Agents for other activities.

- Documents

- Health certificate (forms obtainable from pilot)
- 6 crew list
- 10 passengers list
- Dangerous cargo list
- Ship's register

- Bunkers

Along side quay at all berths.

- Fresh water

Available at all berths in stream, ex-tug at Harbour Master's discrition or barge of 140 tons capacity.

- Health

Vessels required give conditions of sickness and health on board of crew, passengers etc. "Ø" flag to be hoisted until Doctor visits vessel.

- Medical

  Hospital facilities available. In emergency necessary to receive advance notice.

- Repair facilities

  Adequate ships repair facilities available. Vessels over 2000 tons can be repaired in Mombasa. Besides repairs of Gyrocompass radar and electronics aids to navigation are available.

- Communications

  Mombasa radio coast station M/F, H/F, W/T and R/T and VHF R/T services.

- Shore leave

  Permitted

- Local time

  GMT + 3 hours

- Related official bodies in port

  Customs, immigration, quarantine offices located inside the port.

- Holidays

  - New Year's day
  - Good Friday
  - Easter Monday
  - Labour Day
  - Madaraka Day (1 June)
  - First Monday in August
  - Kenyatta day (20th October)
  - Independence day (12th December)
  - Christmas Day
  - Boxing day (26th December)

II. Technical Information

a) Entrance

- Channels: -
- Tides : No Tidal restrictions.
- Pilotage: Compulsory and pilot board vessels at a distance of one mile. ETA through ships' agent, 48 hrs. notice.
- Towage: Tugs join vessels inside harbour between Ferry and Kilindini reef.
- Salvage: Available, contact Port Authority
- Others (specify): -

b) Berthing

	No.	Length	Depth
General cargo berths	16	3044 m	10 m each
Passenger berths (at general cargo berth)	-	-	-
Oil berths (jetty)	2	-	4.30-13.40 m
Mineral berths (jetty)	1	-	10 m
Timber berths	-	-	-
Cement berth	2	315.m	10 m
Livestock berths	-	-	-
Grain berth	-	-	-
Fruits and vegetable berths	-	-	-
Container terminals	3	596.06 m	10 m
Ro/Ro terminals	1	280 m	10 m
Fish berths	-	-	-
Ligherage and dhows wharves	2	412.0 m	3-5 m

Anchorage: No safe outer anchorage.

c) Handling facilities

Stevedoring (public/private)

Cargo Handling Service Company Ltd., a subsidiary of Kenya Port Authority is the sole agent for cargo handling in Mombasa Port.

Equipment

	No.	Type	Capacity
quay cranes	106	-	3-20 tons
Mobile cranes	42	-	2-35 tons
Floating cranes	2	-	5-60 tons
Yard cranes	-	-	-
Transtainers	-	-	-
Travel bridge cranes	-	-	-
Gantry cranes	2	-	40 tons each
Straddle carriers	2	-	30 tons
Forklifts (general cargo)	257	-	Various
Container forklifts	2	-	25 tons each
Trailors	162	-	-
Tractors	48	-	-
Lighters	43	-	-
Others (specify)	-	-	-

d) Storage facilities

	No.	Area
Covered	33	176,165 m^2
Uncovered	-	114,117 m^2
Cold storage	1	1,247 m^2
Silos	3	6,000 tons capacity
Others (specify):	Inland container depot at Nairobi.	

III. Others Transport Links to Port

- Railway network: Main connection with hinterland and also with Uganda, Rwanda is by rail.
- Road network: Mombasa port is served with a bituman road.
- Air connection: International Airport; Yes.
  MOI, International Airport at Mombasa, provide facilities for international flight from Europe and Africa.
- Inland Water Transport: -
- Pipelines: Yes, fuel of different categories are transported directly by a pipeline connecting Mombasa with Nairobi.

IV. Port Development and Expansion Plans

The Development Plan, 1984-1988, to be undertaken by Kenya ports authority in the said period are categorized into five sections as follows. Their total cost is estimated to be K.Sh 3005 5.8 millions.

a) Berths, wharves and jetties to be constructed or rehabilitated during the plan period; it also deals with development programme for the small ports;

b) Floating crafts anticipated to be purchased or re-conditioned during the plan period;

c) Shore equipment including container handling equipment to be purchased during the plan period;

d) Provision of housing, nursery schools and other social welfare facilities;

e) Provision of offices and installations which include among others the inland container depots, sheds, warehouses, etc.

TANZANIA

DAR-ES-SALAAM PORT

I. General Information

- Port Authority and Address

1. Tanzania Harbours Authority
P.O. Box 9184
Dar-Es-Salaam (Tanzania)
Telex: 41346 PORTREEVE
Tel. 21212/32063
Cable: PORTEEVE Dar-es-Salaam

2. Dar-es-Salaam Port
P.O. Box 1130 Dar-es-Salaam, OR
c/o Tanzania Harbours Authority
Harbours Authority

- Agencies

1. For cargo handling Company
Tanzania cargo handling services

2. For shipping, clearing, forwarding contact Port Authority.
There are both public and private organization

- Documents

- Health certificates (forms supplied by pilot)
- 6 crew list
- 10 passenger list
- 5 trips manifest
- Heavy lift list
- Dangerous cargo list
- Ship's register
- Declaration and advice of consumable stores
- Crew declaration

- Bunker

Available along side berths

- Fresh water

Available along side berths and with barges at anchorage.

- Health

"Q" flag to be displayed until free pratique given. Giving ECT, name last port and health condition of passengers and crew.

- Medical

Good medical facilities exist.

- Repair facilities

Several light engineering workshops exist. There is a slipway for vessels of 500 GRT. Contact Port Authority.

- Communications

When within 20 miles of Dar-es-Salaam signal station vessels should call the signal station on either channel 12 or 16, call sign is Dar-es-Salaam Signal Station.

- Shore leave

Permitted

- Local time

GMT + 3 hours

- Related official bodies in port

Customs, immigration and quarantine offices located inside the port.

- Holidays

Christmas Day and International Workers' Day are the only holidays on which no work is performed. Other holidays on which restricted working may be carried out are: Zanzibar Revolutionary Day (12th January), Id-El-Fitr (two days); Id-El-Haj; Good Friday, Easter Monday, Union Day (26th April), Maulid Day, Saba Day (7th July), Tanganyika Independence and Republic Day (9th December).

II. Technical Information

a) Entrance

- Channels: The present state of the entrance channel does not allow a full 24 hours movement. Improvement required. The entrance channel at North end of the basin is about 1¼ miles in length from its outer entrance between the edges of the banks fronting North and South Reefs to the inner harbour, South of West Ferry point.

- Tides: Maximum current at spring tides 3½ knots. During the period of S.E. moonsoon strong winds and heavy seas may make entry difficult.

- Pilotage: Compulsory for all vessels over 200 N.R.T. Depending on weather pilotage may be restricted for vessels during nights. Tankers and vessels with explosives are always restricted during night.

- Towage: High powered tug boats are used for mooring and unmooring vessels

- Others (specify):

b) Berthing:

Dar-es-Salaam is the capital and main port of Tanzania. It has 11 deep-water berths with a total length of 2016 m. There is also an oil jetty capable of handling a tanker of 36,000 DWT. A bulk cement handling facility and lighterage wharfs are also available. There is also a single mooring facility available for tankers of 100,000 DWT.

	No.	Length	Depth	
General cargo berths	11	2016 m	9.5 m	each
Lighterage berth	2	588 m	5 m	each
Passenger berths (at general cargo berth)	-	-	-	
Oil berths (jetty)	1	250 m	10.5 m	
Buoy for tankers 100,000 DWT	1	Unlimited	50 m	

	No.	Length	Depth
Mineral berths	-	-	-
Timber berths	-	-	-
Grain berths (at general cargo berth)	-	-	-
Livestock berths	-	-	-
Fruits and vegetable berths	-	-	-
Container terminals (general cargo berth)	-	-	-
Ro/Ro terminals (general cargo berth)	-	-	-
Fish berths	-	-	-

Anchorage: In good weather tankers waiting can anchore in a depth of 18 m, 12 cables from Makatumber light bearing 250°.

c) Handling facilities

Stevedoring (public/private: Tanzania cargo handling service is the sole handler of cargo in Dar-es-Salaam port.

Equipment

	No.	Type	Capacity
quay cranes	57	-	5-20 t
Mobile cranes	49	-	-
Floating cranes	1	-	60 t
Yard cranes	-	-	-
VAC - U - votors	5	-	-
Grabs	10	-	-
Pay loader	2	-	-
Side loader	1	-	-

	No.	Type	Capacity
Prime movers	9	-	-
Forklifts (general cargo)	336	-	various
Container forklifts	-	-	-
Trailors	159	-	-
Tractors	90	-	various
Lighters	62	-	-
Pontoons	6	-	-
Others (specify)			

d) Storage facilities

	No.	Area
Covered	13	300,000 m^2
Uncovered	-	142,440 m^2
Cold storage	-	-
Silos	-	-
Others (specify):	For transhipment 24,154 m^2 covered and 19,148 m^2 uncovered sheds available.	

III. Other Transport Links to Port

- Railway network: The 1255 km Tanzania central railway to Kigoma on Lake Tanganyika with a branch at Tabora to Mwanza on Lake Victoria and another branch at Kilosa to Mikumi serve the entire country. TAZARA (1859 km) connects the port with Zambia. Dar-es-Salaam is also connected with Uganda and Kenya by rail system.

- Road network: Tanzania has 48,000 km of roads out of which about 10500 km are primary ones. It is also connected with Uganda, Kenya and Zambia by asphalted roads.

- Air connection: International airport; Yes. The recently renovated international airport of Dar-es-Salaam provides adequate air transport services. There is a daily connection to all parts of the world.

- Inland Water Transport: -

- Pipelines: -

IV. Port Development and Expansion Plans

The following development projects are envisaged for the port of Dar-es-Salaam up to 1988.

a) Deepening, widening and strengthening of the entrance channel, provisional of navigational aids and re-locating of west Ferry point;

b) - construction of berths 12 and 13 for container vessels, demolishing of Kurasin oil jetty and construction of Tiber oil jetty, construction of a tug berth;

- construction of grain silos connected to ship-handling equipment;

- construction of a warehousing complex for Zambian cargo.

b) Procurement of port equipment:

- Portainer and transtainer cranes for containers;

- forklift trucks for handling containers;

- tractor-trailor combines;

- floating equipment - tug, pilot boats etc.

c) Studies and design:

- new oil terminal

- transit warehousing facilities

- pavement for port areas

d) Technical assistances

TANGA PORT

I. General Information

- Port Authority and Address

1. Tanzania Harbour Authority
P.O. Box 9184
Dar-es-Salaam (Tanzania)
Telex: 41341 PORTREEVE
Tel. 21212/32063
Cable:

2. TANGA PORT
P.O. Box 493
Tanga (Tanzania) OR
c/o Tanzania Harbour

- Agencies

See under Dar-es-Salaam port

- Documents

See under Dar-es-Salaam port

- Bunker

Not available

- Fresh water

Not available

- Health

See under Dar-es-Salaam port

- Medical

Available on prior arrangement

- Repair facilities

Not available

- Communications

Mombasa Radio Ras Kazone signal station keeps 29 hours VHF watch on channel 16 and 12.

- Shore leave

Permitted

- Local time

GMT + 3 hours

- Related official bodies in port

Customs, immigration and quarantine offices located inside port area.

- Holidays

See under Dar-es-Salaam port

II. Technical Information

a) Entrance

- Channels: Tanga is approached from the south-east through channel on line of Ulenge leading marks bearing 319° T.A. 3 fathom bank to starboard is marked by ship channel buoy.

- Tides: -

- Pilotage: Complsory and requirement of a pilot should be communicated earlier through Agents.

- Towage: Tug boats assist for mooring and unmooring of vessels.

- Salvage: --

- Others (specify): --

b) Berthing

It is a lighterage, port where ships are worked out at anchor in the stream. Eleven safe anchorage have been marked by means of beacons. The inner harbour provides seven anchorages for use by deep sea vessels with length of up to 213 m, and a draft of between 6.4 m and 9.5 m. The outer has 3 anchorages with draft well over 9.45 m.

c) Handling facilities

Stevedoring (public/private)

See under Dar-es-Salaam port

Equipment

	No.	Type	Capacity
quay cranes	12	-	5-20 t
Mobile cranes	-	-	-
Floating cranes	-	-	-
Yard cranes	-	-	-
Transtainers	-	-	-
Travel bridge cranes	-	-	-
Gantry cranes	-	-	-
Straddle carriers	-	-	-
Forklifts (general cargo)	33	-	various
Container forklifts	-	-	-
Trailors	10	-	-
Tractors	3	-	-
Lighters	35	-	-

Others (specify): One shunter, two cole cranes, one tug, 6-8 scamel trailors 4 hyster cranes, 4 scamel hoses. Also there are 4 lighter towing tugs, 3 run boats, 4 labour launches, 2 pilot boats, 2 cutters and 2 landing pontoons.

d) Storage facilities

	No.	Area
Covered	8	22,021 m^2
Uncovered	-	7,830 m^2
Cold storage	-	-
Silos	-	-
Others (specify)	-	-

III. Other Transport Links to Port

- Railway network: Linked by rail with Dar-es-Salaam and surrounding hinterlands;
- Road network: Linked by road with Dar-es-Salaam and surrounding hinterlands.
- Air connection: International airport; No.
- Inland Water Transport : -
- Pipelines: -

IV. Port Development and Expansion Plans

Tanga port development plan shows construction of a deep water berth, modification of fertilizer jetty, improvement to sheds and yards, purchase of cargo handling equipment and marine plant.

MTWARA PORT

I. General Information

- Port Authority and Address

1. Tanzanian Harbours Authority
P.O. Box 9184
Dar-es-Salaam (Tanzania)
Telex: 41340 PORTREEVE
Tel. 21212/32063
Cable: PORTREEVE Dar-es-Salaam

2. MTWARA Port
P.O. Box 530
MTWARA, OR
c/o Tanzania Harbours Authority

- Agencies

See Dar-es-Salaam Port

- Documents

See under Dar-es-Salaam port

- Bunkers

Not available

- Fresh water

By previous arrangement

- Health

See under Dar-es-Salaam port

- Medical

Medical service available on previous arrangement

- Repair facilities

Not available

- Communications

Use Dar-es-Salaam or Mombasa radio

- Shore leave

Permitted

- Local time

GMT + 3 hours

- Related official bodies in port

Customs, immigration and quarantine offices located inside port area.

- Holidays

See under Dar-es-Salaam port

II. Technical Information

a) Entrance

- Channels: The entrance is approached by a channel marked by buoys and leading beacons. The channel is 1½ cable wide.
- Tides: No tidal restrictions
- Pilotage: Compulsory, pilot boards ½ miles North of Shangani Reef buoy. Pilot can be contacted by VHF channels 16 and 12.
- Towage: Tugs join vessels off signal station.
- Salvage: -
- Others (specify): Mtwara port owns six floating crafts. There include one berthing tug, two pilot boats and 3 labour launches.

b) Berthing

Mtwara port has one quay 381 meters long and a depth of9.75m

	No.	Length	Depth
General cargo berths	2	381	9.75 m
Passenger berths	-	-	-
Oil berths	-	-	-
Mineral berths	-	-	-
Timber berths	-	-	-

	No.	Length	Depth
Grain berths	-	-	-
Livestock berths	-	-	-
Gruits and vegetable berths	-	-	-
Container terminals	-	-	-
Ro/Ro terminals	-	-	-
Fish berths	-	-	-

Anchorage: There are six marked anchorage to accommodate vessels of up to 9.5 mts.

c) Handling facilities

Stevedoring (public/private)

See under Dar-es-Salaam port

Equipment

	No.	Type	Capacity
Quay cranes	14	-	various
Mobile cranes	2	-	various
Floating cranes	-	-	-
Yard cranes	-	-	-
Transtainers	-	-	-
Travel bridge cranes	-	-	-
Gantry cranes	-	-	-
Straddle carriers	-	-	-
Forklifts (general cargo)	11	-	-
Container forklifts	-	-	-
Trailors	12	-	-
Tractors	6	-	-
Lighters	-	-	-

Others (specify): 4 scammel hoses

d) Storage facilities

	No.	Area
Covered	4	7,432 m^2
Uncovered	-	929 m^2
Cold storage	-	-
Silos	-	-
Others (specify)	-	-

III. Other Transport Links to Port

- Railway network: -
- Road network: Linked by road with Dar-es-Salaam and surrounding hinterlands
- Air connection: No
- Inland Water Transport:
- Pipelines: -

IV. Port Development and Expansion Plans

A study is being undertaken to evaluate the possibility of utilizing existing ship repair infrastructure at MTwara. Whether the facilities should cater for the maintenance of small marine craft and for ocean going vessels (of up to 15,999 dwt) will be examined.

Also purchase of cargo handling equipment and marine plant are envisaged in the development plan.

MOZAMBIQUE

MAPUTO PORT

I. General Information

- Port Authority and Address

1. Direccao National des Portos
ecaminhos de Ferro
P.O. Box 276, Maputo (Mozambique)
Telex: 6-438 CFMDS MO.

2. Maputo Port with Matola Terminal
See under 1.

- Agencies

1. Agencia National de Frete E Navegacao
Telex 6-510, 6-570 e 6-366 Maputo, Mozambique

2. MANICA
Telex: 6-321, 6-218 MO

- Documents

- 6 crew list
- 1 Store list
- 6 passenger list
- Last port customs and port clearance
- 1 list of port of call
- 1 health declaration
- Entrance report
- 1 Customs entrance
- 1 railways statistics form.

- Bunker

Available at Matola. Dolphin berths with oil fuelling off loading facilities. Also available along side berths at Maputo port.

- Fresh water

  Available along side all berths. Also with barges

- Health

  Pratique granted by pilot unless disease prevalent on board when Masters should telegraph "SAUDE" Maputo

- Medical

  Hospital facilities available

- Repair facilities

  Dry dock for coasters available. Facilities for most normal works of ships available.

- Communications

  1. Advice on arrival 16 hours before to port through station CRX (Naval) operating 24 hours on 500 Kc/S.

  2. VHF: pilot boat and port radio operate on channel 16 and 12 from 0530 to 1830 hrs.

- Shore leave

  Permitted

- Local time

  GMT + 2 hours

- Related official bodies in port

  Customs, immigration and quarantine offices available within port area

- Holidays

  - New Year's day (1st January)
  - Corpus Christ (variable date)
  - City day (24 July)
  - Assumption (25 August)
  - Republic day (5th October)

- All Saints day (1st November)
- Restoration of Independence (1st December)
- Immaculate conception (8th December)
- Christmas day (25th December)

II. Technical Information

a) Entrance

- Channels: Channels with average depths of 10 m. Below Datum perfectly buoyed.
- Tides: -
- Pilotage:Compulsory. Channels in 24 hours use. Pilot station about 26 miles from port if south entrance used, 55 miles if north entrance used. Pilot granted if only 16 hours notice of ETA given on arrival vessels can contact pilot on VHF channel 16 (working on channel 12).
- Towage: Tugs used for mooring/unmooring vessels. Four high powered tugs available.
- Salvage: Available, contact Port Authority
- Others (specify): -

b) Berthing

	No.	Length	Depth
General cargo berths	18	3275 m	7-10 m
Passenger berths (at general cargo berths)	-	-	-
Oil berths	4	850 m	9.75-12 m
Cre terminal	1	206 m	12 m
Mineral berths	1	205 m	12 m
Coal terminal	1	160 m	10 m
Sugar terminal	1	180 m	12 m

	No.	Length	Depth
Grain berths (at general cargo berths)			
Steel whart	1	360 m	12 m
Fruits and vegetables berths	1	180 m	10 m
Container terminals	1	300 m	12 m
Ro/Ro terminals	1	230	10 m
Fish berths	1	180	10 m

Anchorage: Inside harbour: one each for vessels drawing 33, 31, 27 and 26 ft respectively. Six for vessels between 17 and 19 ft.

c) Handling facilities

Stevadoring (public/private)

Contact Port Authority for Stevadors

Equipment

	No.	Type	Capacity
Quay cranes	87	--	3-60 t
Mobile cranes	--	--	--
Floating cranes	--	--	--
Yard cranes	--	--	--
Transtainers	--	--	--
Travel bridge cranes	--	--	--
Gantry cranes	1	--	30 t
Straddle carriers	1	--	75 t
Forklifts general cargo	--	--	--
Container forklifts	--	--	--
Trailors	--	--	--
Tractors	--	--	--

	No.	Type	Capacity
Lighters			
Others (specify): 1. Electrical mechanical equipment for the handling of ore of bulk			
2. Handling equipment for steel			
3. Handling equipment for sugar			
4. Pipelines for handling bulk liquid cargo			

d) Storage facilities

	No.	Area
Covered	-	200,000 m^2
Uncovered	-	415,000 m^2
Cold storage	2	7,900 m^2
Silos	1	150,000 t
Tanks	1	33,000 t
Others (specify):	-	

III. Other Transport Links to Port

- Railway network: Four railway lines, 3 to Swaziland, South Africa, Zimbabwe respectively and one domestic line.

  No. of lines: 4

  Total length 844 km

- Road network: Road motor services are found throughout Mozambique. The total 5354 kms of regular schedule services plus 50,000 kms of unscheduled services. Maputo well connected by road with the hinterland.

- Air connection: International airport; Yes. The International service includes daily flights from Maputo to Johannesbourg, Manzini, Harare, Blantyre, etc.

- Inland Water Transport: -

- Pipelines: -

IV. Port Development and Expansion Plans

A project, increase in the capacity of the port of Maputo, is envisaged as port development programme for the port of Maputo. It is dredging of the joint entrance channel at the main port of Maputo and at the Matola mineral terminal to give access to vessels of 80,000 to 100,000 tons dwt and to container vessels.

BEIRA PORT

I. General Information

- Port Authority and address

  1. See under Maputo Port

  2. BEIRA port
     c/o Maputo Port

- Agencies

  See under Maputo Port

- Documents

  - Health certificate
  - 6 crew list
  - 6 list of passengers in Transit
  - 7 list of passengers disembarking
  - 2 store lists
  - 2 list cargo in Transit
  - 6 copies of manifest Beira cargo

- Bunkers

  Available alongside berths

- Fresh water

  Available at all berths

- Health

  Vessels to radio. "Sanidade Maritime", Beira, their ETA and all well "if all well" certificate given by pilot.

- Medical

  Hospital facilities are available

- Repair facilities

  Minor repair to vessels and electronic equipment in a dry dock is possible.

- Communications

Vessels to route messages through Beira radio - call sign CRS - VHF communications also available.

- Shore leave

Permitted

- Local time

GMT + 2 hours

- Related official bodies in port

Customs, immigration and quarantine offices located inside the port.

- Holidays

See under Maputo port

II. Technical Information

a) Entrance

- Channels: Channel with an average depth of 6 m below chart DAtum, possessing an adequate buoyage.
- Tides: -
- Pilotage: Compulsory for all ships other than Naval vessels , Ships name, ETA and draft should be radiod via Beira Radio for port captain.
- Towage: Join vessels coming at inner achorage. Four high powered (3200 HP) tugs available.
- Salvage: Contact Port Authority
- Others (specify):

b) Berthing

	No.	Length	Depth
General cargo berths	8	1706 m	8-10 m
Passenger berths (at general cargo berths)	-	-	-

	No.	Length	Depth
Oil berths	1	320	12 m
Mineral berths	-	-	-
Timber berths	-	-	-
Grain berths	-	-	-
Livestock berths	-	-	-
Fruits and vegetable berths	1	160	8 m
Container terminals (at general cargo berths)	-	-	-
Ro/Ro terminals	1	N.A.	N.A.
Fish berths	1	420	8 m

Anchorage: There is an anchorage area for 4-6 ships depending their size.

c) Handling facilities

Stevedoring (public/private)

Contact Beira port for Stevedors

Equipment

	No.	Type	Capacity
Quay cranes	63	-	3-20 t
Mobile cranes	25	-	1-10 t
Floating cranes	1	-	50 t
Yard cranes	-	-	-
Transtainers	-	-	-
Travel bridge cranes	-	-	-
Gantry cranes	-	-	-
Straddle carriers	-	-	-
Forklifts (general cargo)	45	-	3-5 t

	No.	Type	Capacity
Container forklifts	-	-	-
Trailors	80	-	various
Tractors	20	-	various
lighters	-	-	-
Others (specify)	1. Bulk ore loaders - 230 ton/hr. 2. Fuel unloading plant - pipe system, 3. Fuel loading plant - pipe system		

d) Storage facilities

	No.	Area
Covered	44	395,000 m^2
Uncovered	-	310,330 m^2
Cold storage	2	1,080 t (citrus)
Silos	-	448 t (beef)

Others (specify): Tanks for Molasses 18,000 t

III. Other Transport Links to Port

- Railway network: Four railway lines connecting Beira port with its hinterland.

  No. of lines: 4

  Total length: 995 km.

- Road network: Beira is also connected by road system with its hinterland. See under Maputo port.

- Air connection: International airport; Yes.
  The International airport at Beira connects the port city with most of the African capitals and Europe.

- Inland water transport: -

- Pipelines: -

IV. Port Development and Expansion Plans

Beira port development project envisages the construction of new infrastructures and purchase of equipment. They include:

a) installation of navigational aid equipment;

b) construction of a Ro/Ro berth and purchase of handling equipment

NACALA PORT

I. General Information

1. See under Maputo port

2. Nacala port, c/o Maputo port

- Agencies

See under Maputo port

- Documents

  - Custom's clearance from last port
  - Health certificate
  - 6 crew list
  - 6 list of passengers in Transit
  - 7 list of passengers disembarking
  - 2 store lists
  - 2 list deck store
  - 2 list cargo in transit
  - 6 copies of manifest of Nacala cargo
  - 2 copies of dangerous cargo

- Bunker

Available along side quay

- Frensh water

Available along side quay

- Health

See under Beira port

- Medical

Hospital facilities are available

- Repair facilities

- Communications

  1. Radio Naval Nacala operates permanently on 2182 KHZ

  2. VHF connection possible ship to shore

- Shore leave

  Permitted

- Local time

  GMT + 2 hours

- Related official bodies in port

  Customs, immigration and quarantine officer located within port area

- Holidays

  See under Maputo port

II. Technical Information

a) Entrance

- Channels: Access without limitation

- Tides: -

- Pilotage: -

- Permanent and compulsory for entering harbour. Pilot boat situated at Harbour entrance.

- Towage: -

  Not available and not required .

- Salvage: -

- Others (specify): -

b) Berthing

	No.	Length	Depth
General cargo berths	8	990 m	7.5-15 m
Passenger berths (at general cargo berth)	-	-	-
Oil berths (piping system for handling oil)	-	-	-
Mineral berths	-	-	-
Timber berths	-	-	-
Grain berths (general cargo berth)	-	-	-
Livestock berths	-	-	-
Fruits and vegetable berths	-	-	-
Container terminals	1	372 m	15 m
Ro/Ro terminals (at container terminal)	-	-	-
Fish berths	-	-	-

Anchorage: Good anchorage for any size vessel. Sand and mud bottom.

c) Handling facilities

Stevedoring (public/private)

Contact Port Authority

Equipment

	No.	Type	Capacity
Quay cranes	16	-	1-20 t
Mobile cranes	14	-	2-7 t
Floating cranes	1	-	25 t
Yard cranes	-	-	-

	No.	Type	Capacity
Transtainers	-	-	-
Travel bridge cranes	-	-	-
Gantry cranes	-	-	-
Straddle carriers	1	-	20 t
Forklifts (general cargo)	15	-	3 t
Container forklifts	1	-	20 t
Trailors	81	-	-
Tractors	20	-	-
Lighters	-	-	-
Others (specify):	For oil loading/unloading piping system		

d) (Storage facilities

	No.	Area
Covered	8	18,800 m^2
Uncovered	Unlimited	81,500,000 m
Cold storage	-	-
Silos	-	-
Others (specify):	Container yard 5500 m^2, other 2000 m^2	

III. Other Transport Links to Port

- Railway network: Three lines connect Nacala port with hinterland. Total length of railway lines in 920 km.

No. of lines: 3

Total length: 920 km

- Road network: Nacala is also well connected by road system with its hinterland. For more detail see under Maputo Port.

- Air connection: International Airport - Yes

  There is an international flights to connecting Nacala with Maputo, Beira and some African countries.

- Inland Water Transport: -

- Pipelines: -

IV. Port Development and Expansion Plans

Port development project of Nacala port consist of:

a) construction of a new berth for container ships of 13.5 m draught,

b) purchase of the necessary container handling equipment.

SEYCHELLES

VICTORIA PORT

I. General Information

- Port Authority and Address

1. Department of Transport
   Port and Marine Services Division
   P.O. Box 47
   Mahe (Seychelles)
   Telex: 2329SZ
   Tel. 22311/22800
   Cable: DEMARINE

2. Victoria Port
   c/o Port and Marine Service Division
   P.O. Box 47
   Telex: 2329SZ
   Tel. 22311
   Cable: DEMARINE

- Agencies

Private Shipping; Clearing and Forwarding Agencies.

- Documents

  - Deratisation certificate
  - 5 crew lists and passengers' list
  - Dangerous cargo list
  - Ships' register

- Bunker

Available along side quay

- Fresh water

Available along side quay and at anchorage by barges.

- Health

"Ø" flag or international red over white. medical officer boards vessels at anchorage and before entering inner harbour.

- Medical

Medical service available in port for minor injuries. For serious medical requirements hospital facilities are available in Town.

- Repair facilities

Only minor repairs such as gas welding, pipe bending etc.

- Communications

Cable and wireless, port Victoria, Mahe, call sign ZCQ

- Local time

GMT + 4 hours

- Related official bodies in port

- Customs, immigration, quarantine offices located in port area.

- Holidays

  - Christmas Day
  - New Year
  - Good Friday
  - Easter Monday
  - Birth of the country's President (8th June)
  - Corpus Christ (15th August)
  - Saints Day (1st November)
  - Immaculate conception (8th December)

II. Technical Information

a) Entrance

- Channels: There are three navigational passages to enter Victoria port. There are cerf. passage, Saint Anne Channel and existing approach channel provided with navigational marks, leading lights and becons.

- Tides: No tide restrictions

- Pilotage: Compulsory for vessels over 150 N.R.T. entering inner harbour.

- Towage: There are tugs that join vessels at inner harbour for berthing. They are 2000 tons each.

- Salvage: -

- Others (specify): One 80 ton water barge, three 350 tons, each water barge, one work boat, high speed launches.

b) Berthing: Total length of berths is 240 mts.

	No.	Length	Depth
General cargo berths	2	240 mts	10.5 t
Passenger berths	-	-	-
Oil berths (in general cargo berth)	-	-	-
Mineral berths	-	-	-
Timber berths	-	-	-
Grain berths	-	-	-
Livestock berths	-	-	-
Fruits and vegetables berths	-	-	-
Container terminals (in general cargo berth)	-	-	-
Ro/Ro terminals	-	-	-
Fish berths	-	-	-

Anchorage: There are four Anchorage areas, namely A, B, D and E.

c) Handling facilities

Stevedoring (public/private)

Union Lighterage Co. Ltd. (ULC) is the sole Stevedor in Victoria port.

Equipment

	No.	Type	Capacity
Quay cranes	-	-	-
Mobile cranes	3	-	2 and 15 tons
Floating cranes	-	-	-
Yard cranes	-	-	-
Transtainers	-	-	-
Travel bridge cranes	-	-	-
Gantry cranes	-	-	-
Straddle carriers	-	-	-
Forklifts (general cargo)	8	-	1, 1.6 and 2.4 tons
Container forklifts	-	-	-
Trailors	9	-	-
Tractors	2	-	-
Lighters	-	-	-

Others (specify): (18 hand barrows, 800 pallets).

d) Storage facilities

	No.	Areas
Covered	3	3150 sq. m
Uncovered	-	5000 sq. m
Cold storage	-	-
Silos	-	-

Others (specify): -

III. Other Transport Links in Port

- Railway network: -
- Road network: There is good road system in Mahe which is the biggest Island and where the port is located.
- Air connection: International airport; Yes.

  International flight frequences: Good air connection from Europe, Africa, Far East. The international airport at Mahe is well equipped for all international flights.
- Inland Water Transport: -
- Pipelines: -

IV. Port Development and Expansion Plans

Additional 120 meters of berths is envisaged to be constructed in the near future to make total berthing facility of 360 mts. available. The study was completed. The extension programme will enable Victoria port to handle over 10,000 boxes of containers yearly.

As far as superstructers are concerned, the following are envisaged to be constructed: sheds, road pavements in the port, new construction and improvement of roads in the port, etc. Bigger size forklifts are also envisaged to be purchased.

Repair and extension of Baie Ste Anne jetty for better inter-island connection is also planned.

COMOROS

MORONI, FOMBONI AND MUTSAMUDU

I. General Information

Port Authority and address

1. Ministry of Transport
Director of Marine Affairs
P.O. Box 97, Moroni (Comoros)
Telex: 244 TRANTOUR KO or
c/o 216 UNDPMOR KO
Tel. 27-64 or 25-32

- Agencies

Private companies available, contact the above address.

- Documents

Contact the above address

- Bunkers

Not available

- Frensh water

Not available

- Health

Follow international health pratique

- Medical

Prior arrangement required

- Repair facilities: -

- Communications: -

- Shore leave

Permitted

- Local time

GMT + 3 hours

- Related official bodies in port

  Customs, immigration and quarantine offices located inside port

- Holidays

  Contact the above address

II. Technical Information

a) Entrance

- Channels: -
- Tides: -
- Pilotage: Compulsory
- Towage: Available
- Salvage: -
- Others (Specify): -

b) Berthing

Comoros has 2 smaller and one bigger port. Moroni and Fombani, which are smaller ports are located in the Islands of Grand Comoro and Mohali respectively. Mutsamudu, a bigger port is located in Anjouan Island.

- Moroni - 150 x 15 m, with a draught of 3.5 m coasters of 300 and 400 t can be accumulated measuring 60 to 80 m long. It can accommodate coasters of about 1000 t. There is also a ramp for easy accommodating of Ro/Ro vessels.
- Fomboni jetty - 70 x 4.5 m
- Mutsamudu wharf - 238 m

c) Handling facilities

Stevedoring (public/private)

Private companies; Contact Port Authority.

Equipment

Moroni - 2 mobile cranes, 3 tractors, 4 trailors, one tug boat and launches. Ships can use their own gears. Mostly cargo operation is at anchorage. Private lighters are used between ships at anchorage and shore.

Fomboni - Whatever equipment available are owned by private individuals. The port does not provide cargo handling equipment.

Mutsamudu - Two tug boats of 100 HP each, 5 forklifts of 4 tons each, 2 of 12 tons each, 3 tractors of 75 to 82 HP, 15 trailors of 8 tons each, 6 of 25 tons and 8 of 3 tons, one mobil crane of 40 tons are available. Ship's can use their gears for loading and unloading.

Moroni - 3347 m^2 of warehouses and 683 m^2 open area

Fomboni: -

Mutsamudu has - 5100 m^2 of warehouses, 3259 m^3 of tanks for petroleum and 1000 m^2 of open area.

III. Other Transport Links to Port

- Railway network: -
- Road network: Road connection are within an Island: Inter-Islands connections are by sea and air.
- Air connection: International airport: Yes. Fowboni and Mutsamudu ports are connected with Moroni, the capital city of the Republic by air services. Moroni has international airport which connects with Africa and Europe.
- Inland Water Transport: -
- Pipelines: -

IV. Port Development and Expansion Port

The economic and social development of Comoros and its cohesion as a state greatly depends on sea transport. Port development is essential. Besides the port development of Mutsamudu port, which was undertaken recently, the port of Moroni should be also developed. The majority of population of Comoros live in Grand Comoro where Moroni port is located. Moroni port should be also developed to meet people's requirement.

Such port development project as establishment of dry dock and maintenance workshops, training of port personnel are also ear-marked.

MADAGASCAR

TOAMASINA PORT

I. General Information

- Port Authority and Address

1. Service de l'Exploitation des ports des PHARES et BALISES
Antananarivo 101,
B.P. 4039
Antananarivo, Madagascar
Telex. 22289 DIRAV

2. Port Antonome de Toamasina,
B.P. 492
Toamasina, Madagascar

- Agencies

Public and private agence available. Vessels should inform agents 24 hours in advance of their requirements.

- Documents

- List of passengers
- Crew list
- Ship's register
- Two store list
- Two sets of cargo manifest

- Bunker

Available along side

- Fresh water

Delivered by water barges

- Health

"Ø" flag must be hoisted if health satisfactory. On arrival maritime declaration of health should be presented.

- Medical

  Hospital facilities available; advisable inform Agents in advance of requirements.

- Repair facilities

  Minor repairs available

- Communications

  Tamatave Radio call sign 5RS. VHF frequency (16) 156.80 - (26) 161.90 - 168.95.

- Shore leave

  Permitted

- Local time

  GMT + 3

- Related official bodies in port

  Customs, immigration and quarantine offices located within the port.

- Holidays

  There are 13 Holidays per year. For more information ask Agent.

II. Technical information

a) Entrance

- Channels: -
- Tides: -
- Pilotage: Compulsory and a pilot boards a vessel on arrival to take the vessel in. Ship's should advise agent hour of ETA and Agents should also inform pilots the same.
- Towage: Three tugs of different sizes are available for berthing.
- Others (specify): -

b) Berthing

Three berths for deep sea ships and two berths for coasters.

	No.	Length	Depth
General cargo berths	5	150-180 mt	9.5 mts
Passenger berths	-	-	-
Oil berths (mooring buoys)	-	-	-
Mineral berths	-	-	-
Grain berths	-	-	-
Livestock berths	-	-	-
Fruits and vegetables berths	-	-	-
Container terminals	-	-	-
Ro/Ro terminals	-	-	-
Fish berths	-	-	-

Anchorage: No special anchorage, pilot determines.

c) Handling facilities

Stevedoring (public/private)

Ships should communicate Agents of their requirements. Hatches, tonnages and all information about cargo must be provided.

Equipment

	No.	Type	Capacity
Quay cranes	14	-	3 tons each
Mobile cranes	-	-	-
Floating cranes	1	-	120 t
Yard cranes	-	-	-
Transtainers	-	-	-

	No.	Type	Capacity
Travel bridget cranes	-	-	-
Gantry cranes	-	-	-
Straddle carriers	-	-	-
Forklifts (general cargo)	10	-	3-5 t
Container forklifts	-	-	-
Trailors	30	-	-
Tractors	10	-	-
Lighters	20	-	-
Others (specify)	-	-	-

d) Storage facilities

	No.	Area
Covered	5	16,000 sq. mts
Uncovered	-	50,000 m^2
Cold storage	-	-
Silos	-	-
Others (specify)	-	-

III. Other Transport Links to Port

- Railway network: Rail connection with Antananarivo
- Road network: Road connection with surrounding and Antananarivo
- Air connection: International airport: Yes
  International flight frequences: -
  Airlines serving (major ones): -
- Inland Water Transport: -
- Pipelines: -

IV. Port Development and Expansion Plans

Toamasina has adequate berth and storage facilities for the foreseeable needs of the medium term.

The central high lands are mainly served by Toamasina via the railway to Antananarivo, though, since the railway is often unable to handle all the traffic, recourse must be made to the old road which is all but impassable. Mahanjanga's role as an alternative port for the high lands is at present also restricted by the conditions of the road to Antananarivo. None of the other ports (Secondary ports) serve beyond its neighbouring areas.

Atnseranana (Diego Suazez) has an excellent deep water port and dry dock facilities that give its potential of becoming a ship repair centre for the western Indian Ocean if its management problems can be overcome.

MAHAJANGA PORT

I. General Information

- Port Authority and Address

1. Service de l'Exploitation des PORTS des PHARES et BALISES, ANTANANARIVO 101,
B.P. 4039,
ANTANANARIVO, Madagascar,
Telex 22289 DIRAV

2. Mahajanga Port
c/o Service de l'Exploitation des Ports des PHARES et BALISES, ANTANANARIVO

- Agencies

Public Shipping and other Agencies available. Vessels should inform Agents by telegraph 24 hours in advance of their requirements.

- Documents

  - List of crew members
  - List of passengers
  - Customer documents
  - Health documents
  - Manifest
  - Bills of Lading
  - Ship's papers

- Bunker: -

- Fresh water

Available along side quay

- Health

Health clearance compulsory before entry to port

- Medical

  Hospital available

- Repair facilities

  Minor repairs possible

- Communications

  Radio Mahajanga

- Shore leave

  Permitted

- Local time

  GMT + 3 hours

- Related official bodies in port

  Customs, immigration, quarantine offices located within port

- Holidays

  There are 13 holidays per year. Contact Agents for more information.

II. Technical Information

a) Entrance:

- Channels -
- Tides: -
- Pilotage: Compulsory and requirement of a pilot should be expressed by cable 24 hours before arrival of vessel.
- Towage: Tug boats assist during berthing and unberthing of vessels in port.
- Salvage: -
- Others (specify) -

b) Berthing

	No.	Length	Depth
General cargo berths	2	-	9.0
Passenger berths	-	-	-
Oil berths	1	-	10 m
Mineral berths	-	-	-
Timber berths	-	-	-
Grain berths	-	-	-
Livestock berths	-	-	-
Fruits and vegetables berths	-	-	-
Container terminals	-	-	-
Ro/Ro terminals	-	-	-
Fish berths	-	-	-

Anchorage: Seek information by cable from Harbour Masters Office.

c) Handling facilities

Stevedoring (public/private)

Vessels ask agents by cable 24 hours in advance for gangs, equipment, etc.

Equipment

In general those available are old and in bad condition and the productivity is low.

d) Storage facilities

Available

IV. Port Development and Expansion Plans

The World Bank undertook study of all Madagascar ports including Mahajanga in 1982. One of the recommendations was that the administration of Mahanjanga Port be returned to private sector under whose management the productivity was five times greater than that of the present management. In 1980 the total cargo handled by the port was 150,000 t.

MAURITIUS

PORT LOUIS

I. General Information

- Port Authority and Address

1. Mauritius Marine Authority
P.O. Box 379
Port Louis (Mauritius)
Telex: 4238 Mauport
Tel: 080415
Cable: MAURIPORT

- Agencies

For cargo handling there is a public enterprise called cargo handling corporation ltd. For shipping, clearing and forwarding activities there are a number of private agencies.

- Documents

Contact Port Authority

- Bunker

Available along side quay and advance arrangement with oil companies required.

- Fresh water

Available along side quay

- Health

Contact Port Authority

- Medical

Arrangements for medical attendances should be made through Ship's agents.

- Repair facilities

Any type of repairs can be undertaken

- Communications

  a) For Radio Communications use either Government Radio Station by CW transmission (3 BA) at VACOAS on 500 Kc/S. Or by R/T transmission through Port Louis Harbour Radio Station (3 BB) on 2182/Kc/S, 2640 Kc/S, 4396.6 Kc/S.

  b) VHF range of 156.6 M/S and 156.8 Mc/s on the international maritime Mobile Services.

- Shore leave

  Permitted

- Local Time

  GMT + 4 hours

- Related official bodies in port

  Customs, immigration and quarantine offices located inside the port.

- Holidays

  - 1st January (New Year's Day)
  - 22nd January (Chavadee)
  - 6th February (Chinese Spring Festival)
  - 18th February (Id-El-ADHA)
  - 6th March (Maha Shivaratree)
  - 12th March (Independence Day)
  - 1st May (Labour Day)
  - 29 October (Divali)
  - 1st November (All Saints Day)
  - 1st December (Id-El-Fitr)
  - 25th December (Christmas Day)

Best copy available

II. Technical Information

a) Entrance

- Channels: 600 inches wide with 40 inches depth LWOST. The commercial area of the port in the area inside the port bounded by the entrance buoys and the shore line of the inner harbour.

- Tides: -

- Pilotage: Pilotage is compulsory for all vessels over 100 NRT, and vessels can enter and leave the port 24 hours.

- Towage: Two 720 HP each diesel engine tugs are available for mooring and unmooring vessels.

- Salvage; Two tug boats of 2300 HP is available for sea rescue and salvage operations.

- Others (specify): The Authority owns a fleet of other tugs and small crafts for pilotage, towage and associated operations.

b) Berthing

The port has 672 meters of aligned deep water of ways with depths ranging from 5.5 meters and 11 meters.

	No.	Length	Depth
General cargo berths	2	364 m	10.7 m
Passenger berths (at general cargo berths)	-	-	-
Oil berths	1	150 m	9.45 m
Mineral berths	-	-	-
Timber berths	-	-	-
Grain berths	1	123 m	11.0 m
Inter-island trade jetty	1	119 m	5.50 m
Livestock berths	-	-	-

	No.	Length	Depth
Fruits and vegetable berths	-	-	-
Container terminals	1	185 m	11.0 m
Ro/Ro terminals (at container berth)	-	-	-
Fish berths	1	160 m	8.0 m

Anchorage: There is an open roadstand each with Anchorage for vessels of any draft.

Lighterage Facilities

Quay	Length	Draft	Remarks
A	190 m	3.66 m	These quays are used for handling of cargo from lighters
C	133 m	3.04 m	
E	134 m	3.04 m	

Buoy berths:

There are 4 buoy berths available and these are occassionally used to accommodate vessels for lighterage operations.

Cement berths:

There is one cement berth for bulk discharge of cement. Bulk cement is pumped at the rate of 400 t per hour into silos.

Bulk Sugar Terminal:

There is a bulk cement terminal of 198 m length and 11 m draft. Sugar is loaded at a maximum rate of 1400 t per hour. Two sheds with storage capacity of 175,000 t of bulk sugar each are available.

c) Handling facilities

Stevedoring (public/private)

Cargo Handling Corporation Ltd. is the sole Stevedor.

Cargo Handling

The Mauritius Marine Authority (MMA) is responsible for all cargo handling activities in the port. However, cargo handling operations are undertaken by the cargo Handling Corporations (CHC) Ltd. Under the Authorities supervision and control. of MMA. The CHC Ltd. is an independent company jointly owned by the Government and MMA.

The MMA directs and co-ordinates the provisions of cargo handling, storage and cargo security services within the port premises.

The Authority owns an important fleet of cargo handling equipment comprising forklift truks, cranes, heavy duty tractors, trailors, prime movers and a yard qantry crane capable of stacking containers 3 high.

d) Storage facilities

	No.	Area
Covered	4	425,000 sq. ft
Uncovered	-	plenty
Cold storage	-	-
Silos (cement)	1	19,500 t
Others (specify)	-	-

III. Other Transport Links to Port

- Railway network: -
- Road network: As of 1983 Mauritius had an asphalted road network of some 1800 km out of which 555 km was main road and 1224 km of urban and rural roads.
- Air connection: International airport; Yes. The International airport at Plaisance is able of handling a wide bodied air crafts such as 747 and DC 10.
- Inland Water Transport: -
- Pipelines: -

IV. Port Development and Expansion Plans

The main on-going port development project of port Louis is the construction of a fishing port consisting of a quoy of 160 m long, two packing halls and associated infrastructure.

A port master plan study is also being carried out by French consultant to assess the development requirements in light of anticipated traffic up to the year 2000.

PART II

WESTERN/CENTRAL AFRICAN

PORTS

MAURITANIA

NOUADHIBOU

I. General Information

1. The Port Authority

Port Autonome de Nouadhibou
P.O. Box 236 Nouadhibou
(Islamic Republic of Mauritania)
Tel. 2134.2276.2235
Telex: 441

- Related Official Bodies:

Customs office, Immigration Office, quarantine office
Maritime police, City fire brigade

- Labour: Normal working hours: 7 hours to 14 hours

- Holidays

  - Arabian New Year's Day (1st Mouharem)
  - New Year's Day (January
  - Women's Days (March 8th)
  - Labour Day: (May 1st)
  - African's Liberation Day: (May 25th)
  - Ann: (10 July)
  - National Day: (November 28th)
  - El Maouloud Festival
  - Id-El-Fitri
  - Id-El-Kabir
  - Labour Regulation: Public Holidays

- Fresh water and provisions

Available: Yes, at quay

- Radio:

  Time of watch: 07.00h to 22.00h. Channel 16

- Pilotage

  Available: Yes

  Compulsory: No

- Towage:

  Available: Yes

  Compulsory: No

  Maximum HP of tugs: 250 HP

- Anchorage

  Area: Baie du Levrier

  Depth: Around 10 m.

- Bunkers

  Grade of fuels supplied: gasoline

  Supplying companies: MEEP

- Shore leave

  Permitted

- Time

  GMT

II. Technical Information

- Channel

  Length: 12 miles, width: 0.20 mile, Maximum depth: 8 m

- Tides:

  High water: 2.50 m, Low water: 0.50 m, Tidal range: 2 m

- Berthing

Total length of quay: 1 100 m, Number of terminals and allocation. 2, general cargo terminal and freshing terminal.

- Number of berths at each terminal:

General cargo: 2 berths; fishing: goom

Total number of berths for deep sea vessels: 2

Maximum berthing depth: general cargo 7 and 8 m;

Fishing: 5.50 m and 6 m

- Equipment (public and private)

1 portal crane: 80 T

1 mobile crane: 30 T

Various plants such as fork lift, trucks, tractors, etc.

- Storage facilities

Covered storage area: 7000 m^2

Open storage area: 55000 m^2

Cold storage: 5500 m^2

III. Surface Transport Links

- Railway network: Number of lines: 1 Zouerate-Nouadhibou

Total length: 700 km

- Road Network

Maximum distance: 500 km, Nouadhibou-Nouakchott

- Air Connection

International Airport

IV. Development and Expansion Plans

- Studies: Object: Naval repair facilities
- Projects:
- Description: Construction of a water purification plant distribution pipes network
- Cost: 90 millions Ougouya
- Year of launching: 1977
- Year of completion: 1988

SENEGAL

DAKAR

I. General Information

- The Port Authority

Port Autonome de Dakar
Boulevard de la Liberation
P.O. Box 3195 Dakar (Senegal)
Tel. 221024, 222970, 224545, 211627, 221820
Telex: 406

- Related Official Bodies

Customs, quarantine office, immigration office, security, fire precautions

- Labour

No. of shift 4

- Holidays

New Year's Day: (January 1st)

Senegambia Confederation: (February 1st)

Mohamed's birthday: not fixed

Tamkharit: not fixed

Id-el-Fitri: not fixed

Penetecost: not fixed

National Day: (April 4th)

Harbour Day: (April 1st)

Christmas (December 25th)

Labour regulation: Public holiday

- Fresh water and provisions

  Available: Yes

  Mode of delivery: Directly at quay or water tanker

- Radio

  Time of watch: 24 hours a day

  Frequencies/channels: CHF 16

- Pilotage

  Available: Yes, Compulsory: Yes

- Towage

  Available: Yes
  Compulsory: No
  Maximum HP of tugs: 2000 HP

- Anchorage

  Area: Off harbour
  Depth: 15 m

- Bunkers

  Grade of fuels supplied: fuel, gasoline, petrol

  Supply companies: Shell, Mory, BP, Esso, Mobile, Texaco

- Shore leve

  Allowed: Yes

- Local time

  GMT

II. Technical Information

- Tides

  High water: 1.90 m, Low water: 0.10 m, Idal range: 1.80 m

- Berthing

Total length of quay: 10,000 m

Number of terminals and allocation: 11 including, 3 in South zone; 2 in west zone 1 in North zone.

Total number of berths:

Mole 1.7
Mole 2.5
Mole 3.3
Mole 4.6
Mole 5.2
Mole 6.2
Mole 7: on project. Futur containers terminal
Mole 10 new fishing berth: 9

Oil anchorage: 4

North jetty: 2

Total number of berths: 45 and 8 for the new fishing berth

Maximum berthing depth: 10 to 10.5 m

- Equipment (private)

75 forklifts trucks: 25 to 28 t

28 dockside cranes: 3 to 4 t

14 dockside cranes: 5 t

1 dockside crane: 25 t

1 dockside crane: 35 t

Trailer (roulotte): 100 t

1 mobile crane: 10 t at 7 m

10 elevators at 20 m

1 pontoon: 120 t

Tractor: 80 t

1 Tractor: 60 t

- Storage facilities

  Covered storage area: 60 000 m^2

  Open storage area: 360 000 m^2

  Containers area: 9 000 m^2

  Cold storage: 15000 m^2

- Equipment (public)

  1 electric crane ON rail: 40 t

  5 electric cranes: 5 t

  1 pontoon: 60 t

  1 crane Pinguely superior: 20 t

- Careening facilities

  Available: Yes (4)

  Capacity: 200t, 500t, 1000t, 60000t

  Owners: Port Authority (200t) Mautention

  Africaine (500t), Sofra TP Fougerolle (1000t)

  Dakar Marine (60000t)

- Drydock

  Available: Yes

  Capacity: 190 m long and 8 m draft

  Owner: Dakar Marine

- Synchrolift elevator

  Available: Yes

  Capacity: 1200 t

  Owner: SODEMHE

III. Surface Transport Links

The port of Dakar is served by both rail and road transport connection with its hinterland.

IV. Development and Expansion Plans

The main Dakar port development plan at present is the construction of a container terminal which is an on-going one.

GAMBIA

BANJUL PORT

1. General Information

- The Port Authority

Gambia Port Authority
P.O. Box 617
Banjul (Gambia)
Tel. 266.267.268.270.271
Telex: 2235 Gamports GV.

- Related Official Bodies

Customs,Office, quarantine office, immigration, security, fire precautions

- Fresh water

Available: Yes

Mode of delivery: Pipeline from quay, and tug boat at anchorage.

- Holidays

New Year's Day (January 1st)

Senegambia Day: (February 1st)

Independence Day: (February 18th)

Good Friday: Changeable

Id-El-Fitri: Changeable

Id-El-Kabir: Changeable

Maulud Nabi: Changeable

Workers Day: (May 1st)

Christmas Day: (December 25th)

Labour regulations: Public Holidays

- Radio

  Time of watch: 08.00 h -15.00 h Mondays to Thursdays

  08.00 h - 13.00 h Friday to Saturdays

  Outside above hours on request and confirmation of V/LETA.

  Frequencies/channels: VHF 61, 12 and 14.

- Pilotage

  Available, Yes

  (from vessels over 1000 buoy on request)

  Compulsory: Yes

  (Compulsory from n°5 buoy)

- Towage

  Available: Yes (for vessels over 1000 GRT)

  Maximum HP of tugs: 1000 BHP

  Companies: Gambia Ports Authority

- Anchorage

  Area: as demarcated on AD608

  Depth: from 10 fms to 15 fms

- Bunkers

  Grade of fuels supplies: by special arramgement

  Supplying companies: Shell West Africa

- Shore leave

  Allowed: Yes

  Regulations: Port and Harbour Regulations

- Local time

  GMT

II. Technical Information

- Channel: Length: 25 nautical miles

  Width: 2 miles

  Maximum depth: 60ft. 18.5m

- Tides

  High water: 33ft 10 m

  Low water: 28 ft 8.5 m

  Tidal rnge: 5 ft 1.5 m

- Berthing

  Total length of quay: Government wharf 90 m

  Banjul wharf (outer berth) 122 m, Banjul wharf (inner berth) 102 m

  Number of terminals and allocation: 3

  Number of berths at each terminal: 1

  Total number of berths for deep sea vessels: 3

  Maximum berthing depth: 40 ft

- Equipment

  2 Mobile cranes: 10 t, 17 t

  1 Mobile crane: 30 t

  6 forklifts: 2.5 t each

  6 tractors: 2.5 t each

  35 trailers: 2 t each

  2 trailers: 10 t each

- Storage facilities

  Covered storage area: 6250 m^2

  Open storage area: 17000 m^2

  Cold storage: 5350 m^2

- Careening facilities

  Slipway

  Available: Yes

  Capacity: 500 t

  Owner: Gambia Port Authority

III. Surface Transport Links

- Inland Waterways network

  River: 150 miles for ocean going vessels; 300 miles for barges

IV. Port Development and Expansion Plans

Not envisaged at present. There was one completed recently.

GUINEA BISSAU

BISSAU PORT

I. General Information

- Port Authority and Address

Port Director, Bissau
Tel. 2797
Port Captain, Bissau
Tel. 3912

- Agencies

Contact Port Authority

Documents

- Entrance Declaration
- Clearance from last port of call
- List of all passengers
- Provision list
- Personal effect of crew member
- List of passengers baggage
- Cargo list of discharge cargo

- Bunker

Available

- Fresh water

Available

- Health

Visit of port Doctor compulsory if ship has no Doctor on board

- Medical --

- Repair facilities

  Small repairing work can be done on machinery on ship's hull

- Communications

  Station call sign CQF weekdays on at 9, 13, 16, 18 GMT. Sundays 9 and 11 GMT. Frequency 500 KHZ. CW.

- Shore leave

  -

- Shore time

  GMT minus one hour

- Related official bodies in port

  Customs, immigration and quarantine offices located inside port area.

- Holidays

  - 1st January
  - 10th June
  - 5th October
  - 1st November
  - 1st, 8th and 25th December

II. Technical Information

a) Entrance

- Channels: Geba channel
- Tides: -
- Pilotage:
- Compulsory: Pilot's base and radio beacon located at Caio point (small island at the entrance of the channel). To call pilot send telegram to services masguine inform of the ETA at Caio.

- Towage: Available
- Salvage: -
- Others (specify)

b) Berthing

Berthing	No.	Length	Depth
General cargo berth	1	131 m	8 m
Passenger berths (at general cargo berth)	-	-	-
Oil berth (at general cargo berth by coasters)	-	-	-
Mineral berth	-	-	-
Timber berths	-	-	-
Grain berths	-	-	-
Livestock berths	-	-	-
Fruits and vegetable berths	-	-	-
Container terminals	-	-	-
Ro/Ro terminals	-	-	-
Fish berths	-	-	-

Anchorage: Good anchorage area between Bissau and the (IL)heir do Rol

c) Handling facilities

Equipment	No.	Type	Capacity
Quay cranes	7	-	1.5 t each
Mobile cranes	2	-	-
Floating cranes	-	-	-
Yard cranes	-	-	-
Transtainers	-	-	-
Travel bridge cranes	-	-	-
Gantry cranes	-	-	-

	No.	Type	Capacity
Straddle carriers	-	-	-
Forklifts (general cargo)	5		2-3 t
Container forklifts	-	-	-
Trailors	5	-	-
Tractors	3	-	-
Lighters	-	-	-
Others (specify)	-	-	-

d) Storage facilities

Available. Detail information not secured.

III. Other Transport Links to Port

- Railway network: -
- Road Network: Road network exists
- Air connection: International airport; Yes. It is 7 km from Bissau and international connection with Europe.
- Inland Water Transport: Exists through Geba Channel
- Pipelines: -

IV. Port Development and Expansion Plans

In Phase II of the Decade programme there is a comprehensive port development project of Guinea Bissau and the nature of the project is construction of new quay (two berths), rehabilitation of old quay for fishing harbour, construction of five jetties in inland waters, improvement of navigational facilities and reconstruction of oil depot.

GUINEA

CONAKRY PORT

I. General Information

- The Port Authority

Port Autonome de Conakry
BP 805 Conakry
Tel. 44 27 44
Telex:

- Related official bodies

Customs office, quarantine office, immigration, security, fire precautions

- Holidays

New Year's Day: (January 1st)

Portuguese Agression (November 27th)

Anniversary of P.D.G. (Nay 14th)

Christmas Day (December 25th)

Id-El-Fitri: Moveable

Id-El-Kebir: Moveable

- Resh water and provisions

Available: Yes

Mode of delivery: Hydrauts on quay side

- Radio VHF

Time of watch: 24 hours

Channels: 16

- Pilotage

Available: Yes

Compulsory: Yes

Regulations: From base buoy South of Kassa Island

- Towage

  Available: Yes

  Compulsory: Yes

  Maximum HP of tugs: 1600 HP

  Company: Office Maritime

- Anchorage

  Area: South of Kassa Island

  Depth: 13 m

- Bunkers

  Grade of fuels supplied: N/A

- Shore leave

  Allowed: Yes

  Regulations: Seamen's book and vaccination

- Local time

  GMT

II. Technical information

- Channel

  Length: 2.5 miles

  Width: 150 m

  Maximum depth: 8.50 m

- Tides

  High water: 4.20 m

  Low water: 1.10 m

  Tidal range: 3.10 m

- Berthing

Total length of quay: 1700 m

Number of terminals and allocation

Dry & liquid bulk: 4

Banana: 1

Cargo (general) 3

Fishing: 2

Total number of berths for deep sea vessels

10 Berths Maximum berthing depth: 11 m

- Equipment

ENTRAT (only for transit)

8 Hino: 15 t

20 Nissan: 15 t

6 Saviem: 35 t

4 forks

PORT AUTONOME

2 mafi (plates) 20 t

4 forks: 6 t

2 cranes KK: 1 t

6 cranes ppm: 18 t

1 crane lima: 30 t

1 fork clark: 25 t

4 forks clark: 3 t

8 forks fenwic: 4 t

7 forks: & K: 5 t

2 tractors mafi

12 Platforms mafi

Diving equipments.

- Storage facilities

  Covered storage area: 30000 m^2

  Open storage area: 96000 m^2

  Cold storage: 1600 m^2

- Careening facilities

  Slipway:

  Available: Yes

  Capacity: 800 t

  Owner: Office maritime

  Drydock

  Available: Yes

  Owner: Sonapeche/Guipesea

III. Surface Transport Links

Railway network

Number of lines: 3

Total length: 1054 km

Waterway network

200 miles about

IV. Port Development and Expansion Plan

The following development projects are envisaged:

- Maintenance of maritime signal facilities
- Purchase of dredging equipment. Both are of Conakry port

SIERRA LEONE

FREETOWN PORT

I. General Information

- The Port Authority

Sierra Leone Ports Authority
Queen Elizabeth II quay
Freetown (Sierra Leone)
Tel. 501.11
Telex: 3262

- Related Official Bodies

Customs,office, Quarantine office, immigration office, Security, Fire precautions

- Radio

Time of watch: 24 hours

Channels: VHF 16

- Holidays

New Year's Day (January 1st, overtime working)

Good Friday: Moveable, port closed

Easter Monday: Moveable, overtime working

Republic Day: (April 19th) overtime working

Feast of Eid-el-Fatri: Moveable, overtime working

Feast of Eid-ul-Adha: Moveable, overtime working

Feast of Moulid-un-Nabi: Moveable, overtime working

Christmas Day: (December 25th) port closed

Boxing Day: (December 25th) overtime working

- Fresh water and provisions

Available: Yes

Mode of delivery: Quay hydrants and barges

- Pilotage

Available: Yes

Compulsory: Yes, alongside Queen Elizabeth II quay and Kissy Oil jetty

Regulations: No. 1 berth Queen Elizabeth II quay: unberthing permitted only between LW + 1 and HW + 1

Kissy Oil jetty: On flood tide during daylight hours

- Towage

Available: Yes

Compulsory: Yes

Maximum HP of tugs: 2200

Company: Sierra Leone Ports and Authority

- Anchorage

Area: 12 square miles

Depth: 48 ft

- Bunkers

Grade of fuel supplied: diesel, gasoline, fuel oil

Supplying companies:

Shell, Mobil: along side, Texaco, BP: by barge

- Shore leave

Allowed: Yes

Regulations: Seaman's book to be carried

- Local time

GMT

- Certificate required

  5 copies manifest

  Heavy lift list

  Stowage plan

  Hatch list

  Hazardous cargo list

  5 crew lists

  5 ports of call lists

  5 passenger in transit

  5 passenger landing

  1 crew declaration

  1 stores list

  1 arms and ammunison list

  1 port health declaration

  1 vaccination list

Surface Transport Links

- Inland waterway network

  Canal: approx 500 miles

  River: launch routes

- Road network

  Total length: paved 610 miles

  Laterite: 3670 miles

II Technical Information

- Channel

Length: Farway buoy to Q.E.II quay: 6.5 miles

Width: 0.5 mile

Maximum depth: 38ft + HT of tide to 48 ft

- Tides

High water: 3 m - 2.3 m

Low water: 0.50 m - 1.00 m

Tidal range: 2.6 m - 1.30 m

- Equipment (public and private)

3 Portal cranes: 2 x 3 t. - 1 x 5 t

14 Mobile cranes: 4 t - 20 t

2 Container handlers - 25 t

2 Freight lifters: 10 t

34 Fork trucks: 4/5000 Lbs

17 Tractors

50 Trailers

- Berthing

Total length of quay: 3609 ft

Number of terminals and allocation:

Kissy Oil jetty: crude oil

Kissy cold store jetty: trawlers

No. 1 Berth bulk grain (disch)

Bulk palm oil (load)

No. 6 Berth containers

Number of berths at each terminal: 1

Total number of berths for deep sea vessels: alongside

6 atachorage 200 +

Maximum berthing depth: Q.E.II quay: 32'06 "Kissy Oil jetty*30'00"

Anchorage: 48:00"

Maximum vessel size:

Length: No limit

Draft: 48'00"

Tonnage: No limit

Mooring and berthing procedure: generally on "first come first served" but Port Authority may berth ships out of turn in the interest of port working.

- Storage facilities

Covered storage area: 230,000 sq ft

Open storage area: 450,000 sq. ft

Cold storage: Operated by fishing companies

- Careening facilities

Slipway

Available: yes

Capacity: 600 t

Owner: Sierra Leone Ports Authority

III. Surface Transport Links

The port of Freetown is served by road and inland water transport with its hinterland.

IV. Port development and extension plans

- The following projects are there:
  - Purchase of a maintenance dredger
  - Increase in productivity
  - Purchase of fire fighting equipment, generator for emergency lighting and construction of protective walls.

LIBERIA

MONROVIA PORT

I. General Information

- National Port Authority
  MONROVIA (Liberia)

II. Technical Information

- Channel

  Length: 1 1/3 miles

  Width: 500 ft

  Maximum depth: 49 ft

- Tides

  Tidal range: Varies from 2.0 ft to 3.9 ft

  Depending on spring near tide

- Berthing

  Total length of quay: 1500 m

  Number of terminals and allocation:
  4 Berths for normal size (460) cargo ships
  1 main general cargo terminal
  3 ore terminals
  2 oil terminals
  1 fishing pier
  Total number of berths for deep sea vessels
  12 berths deep sea vessels i.e. cargo, bulk carriers, tankers and fishing boats
  Maximum berthing depth: 45 ft maximum loading draft

- Storage facilities

  Covered storage area: 150-600 ft x 80-175 ft
  Open storage area: 200-800 ft x 150-250 ft

- Careening facilities

Drydock

Available: Yes

Capacity: Up to 250 t

Owner: Denco shipping & Mesurado fishing company

III. Surface Transport Links

- Inland Waterway Network

River: to Firestone: 98 miles from the city

- Railway network:

Total length: Mmal/Bong Mining Company

- Road network:

Maximum distance: 150 and 80 miles

Total length: 230 miles

IV. Development and Expansion Plans

- Studies and design completed by SOFREMER for a 266,00 meters x 31.00 meters container terminal.

- Studies incorporated 7.60 hectares of area for storage, transit shed and handling equipment.

- Estimated cost is $ 45,000,000.00

COTE D'IVOIRE

ABIDJAN PORT

I. General Information

The Port Authority

PORT AUTONOME D'ABIDJAN

P.O. Box V85 Abidjan Ivory Coast
Tel. 320166
Telex: 3674 Comport and 2778 Diport.

- Related official bodies

Customs, quarantine, immigration, security, fire precautions

- Holidays

  - New Year's Day (January 1st)
  - National Day (December 7th)
  - Assumption Day (August 15th)
  - Ascension Day (not fixed)
  - Easter Monday (not fixed)
  - Pentecost Monday (not fixed)
  - All Saint(s Day (November 1st)
  - Christmas Day (December 25th)
  - Id-El-Fitri (not fixed)
  - Id-El-Kabir (not fixed)
  - Labour Day (May 1st)
  - Labour regulation (Public Holiday)

- Fresh Water and Provisions

Available

- Radio Time of Watch 24 hours a day, Frequencies/channels: VHF 12, 16

- Pilotage:

  Available: Yes;

  Compulsory: Yes;

  Regulations: Pilotage regulations; 4 boats for sea
  3 for lagoon

- Towage

  Available: Yes;

  Compulsory: Yes; Maximum HP of tugs: 2700 HP 5 tugs
  (3 for assistance)

- Anchorage

  Area: off channel entrance. Depth: 37 ft

- Bunkers

  Grade of fuels supplied: gasoline and petrol.
  Supplying companies: Texaco

- Shore leave: Allowed: Yes

- Local time: GMT

II. Technical Information

Channel: Length: 2700 m, Width: 370 m, Maximum depth:
Maximum depth: 13.50 to 15 m

Tides: High water: 1.80 m, Low water: 0.60 m,
Tidal range: 1.20 m

- Berthing

  Total length of quay: 6.500 m

  Number of terminals and allocation: 2 container berths

  1 rol-on/roll-off-terminal

  Total number of berths for deep sea vessels: 35 including:
  23 general cargo and 11 specialized berths. Also 17SBM

  Maximum berthing depth: 12.50 m

- Storage facilities

  Open storage area: 234585 m^2

  Covered storage area: 121705 m^2

  Wood storage area: 65 000 m^2

  Cold storage: 3 deep freeze warehouses for fish and 1 for banana

- Careening facilities

  Slipway: Available: Yes; Capacity: 100 to 300 t: Owner: Carena

- Drydock: Available: Yes; Capacity: 600 and 10 000 t; Owner; Carena

III. Surface Transport Links

- Inland water network: Lagoon, river, canals. Length: 300 km

- Railway network: Number of lines: 1 Abidjan-Niger; Total length: 1147 km

- Road network: Maximum distance: 1023 km

IV. Development and Expansion Plans

Locodjro extension: Studies including container berths which can be used for general cargo

1 Ro/Ro berth

1 General cargo berth

1 fishing berth

1 ore terminal for export of manganese to Burkina Faso

350 hectares for storage facilities

Year of launching: 1985

SAN PEDRO PORT

I. General Information

Port Authority
San Pedro Port Authority
P.O. Box 339 and 340
San Pedro Ivory Coast
Tel. 79 and 80
Telex. 9910

- Related official bodies

Customs, quarantine, immigration, security; fire precautions

- Labour

Normal working hours: 07.30 h - 12.00 h
14.30 - 17.30 h
Number of shifts: 2

- Fresh water and provisions

Available: Yes; Mode of delivery: Direct pipe at quay or water tank boat.

- Radio

Time of watch: 24 hours a day

Frequencies/channels: VHF on 12 & 16
2182 kz.

- Bunkers

Grade of fuels supplied: all types

Supplying companies: Union of oil companies

- Certificates required

  3 crew lists

  3 port calls lists

  3 passengers lists

  1 arms and amunitions list

  1 animals list

  1 ship file

- Holidays

  - New Year's Day (January 1st)
  - Labour Day (May 1st)
  - Assumption Day (August 15th)
  - All Saint's Day (November 1st)
  - National Day (December 7th)
  - Christmas Day (December 25th)
  - Easter Monday (not fixed)
  - Ascension Day (not fixed)
  - Pentecost Monday (not fixed)
  - Il-El-Fitri (not fixed)
  - Id-El-Kabir (not fixed)
  - Labour regulation (public holiday)

- Pilotage

  Available

- Towage

  Available: Yes; Compulsory: Yes;

  Maximum HP of tugs: 1300 HP

- Anchorage

  Area: 1 mile around entrance buoy

  Depth: 34 ft

- Shore leave

  Allowed: Yes; Regulations: Free

- Local time: GMT

II. Technical Information

Channel: Length: 700 m; Width: 150 m; Maximum depth: 12.50m

Maximum depth: 12.50

Berthing

Total length of quay: 736 m

Total number of berths for deep sea vessels: 2 berths and 6 SBM for timber loading.

Maximum berthing depth: South quay: 9.00 m

Service quay: 4 m (L 106 m)

West quay: 11.00 m

Equipment (public and private)

29 tugs: 50 to 150 HP

13 barges: 100 to 200 T

30 forklift trucks: 3 to 12 T

5 mobile cranes: 15 and 50 T

2 long stackers: 35 and 45 T

1 portic: 90 T

1 channelger: 28 T

1 towage: 1500 cv (URA)

2 pilot boats

7 motor boats

III. Surface Transport Links

Road network: Maximum distance: 400 km;

Total length: 1000 km

IV. Development and Expansion Plans

Period for1981/1988

During this period the port will handle the traffic from the clinker mill and corn mill and will get ready to handle the traffic coming from the pulp mill together with the Klahoyo mountain's iron ore mine.

This preparation involves: The technical study of the inner port 1981 and 1982. The actual building of the first part of the inner port and the construction of water of:

- one jetty for the pulp mill
- two jetties for general merchandise
- two jetties for port traffic service the iron mine

are on-going.

GHANA

TEMA PORT

I. General Information

- Port Authority

Ghana Ports Authority
P.O. Box 150
Tema, Ghana
Telephone: 2563 and 2631 Ext. 75

- Related official bodies

Customs, quarantine, immigration, security and fire precautions.

- Towage

Available: Compulsory: Yes,

Maximum Hp of tugs: 1380 HP

Company: Ghana Ports Authority

- Anchorage

Area: about 2 square miles

: 60 ft

- Holidays

New Year's Day (January 1st)

Redepmption Day (January 13th)

Republic Day (February 1st)

Independence Day (March 6th)

Good Friday (April 1st)

Easter Monday (April 4th)

Labour Day (May 1st)

Christmas Day (December 25th)

Boxing Day (December 26th)

Labour regulation : on request

Overtime working can be arranged.

- Bunker

Grade of fuels supplied: diesel and gas oil supplied by tankertrucks

Supplying companies: Shell (Ghana) Limited;

BP (Ghana) Limited; Texaco (Ghana) Limited;

Mobil Oil (Ghana) Limited

- Certificates required

Ships register

Wireless installation inspection certificate

Local line certificate and valid certificates of vaccination against small pox and yellow fever.

- Fresh water and provisions

Available: Yes; Mode of delivery: Supplied alongside the quay-hydrants through standpipes with water hoses.

- Radio

Time of watch: 24 hours

Frequencies/channels: local 14; international 16

- Pilotage

Available: Yes; Compulsory: Yes;

Regulations: arrivals 06.00 h - 18.00 h

Departure: 06.00 h - 23.00 h.

- Shore leave

Allowed: Yes;

Regulations: Every member of the crew is free to go ashore at any time of the day or night after the immigration officer has issued shore passes to that effect on the ship's arrival.

- Tides

  High water: 6.20 ft

  Low water: 0.20 ft

  Tidal range: 6040 ft

- Berthing

  Total length of quay

  Quay: 1.4300 ft, quay 2,2900 ft

  Number of terminals and allocation: 2

  1 oil berths, inner breakwater;

  1 valco berth, near fishing harbour

  Number of berths at each terminal: one each

  Total number of berths for deep sea vessels: 4 berths

  Maximum berthing depth: 32 ft

- Equipment (public and private)

  12 portal cranes: 3T each

  4 portal cranes: 5 T each

  2 portal cranes: 7,5 T each

  3 mobile cranes: 3T/5T/45T

  3 outloaders: 30.35 T/hr.

- Storage facilities

  Covered storage area: 775368 sq. ft

  Open storage area: approx. 1080000 sq.ft

  Cold storate: Nil

- Careening facilities

  Slipway

Available: Yes

Capacity: 100,000 DWT

Owner: Tema Shipyard and Drydock Co.

II. Surface Transport Links

Railway network

Number of lines: 15 lines

Total length: N.A.

III. Development and Expansion Plans

Studies

Provision of container depot

Extensions to quay No. 2 clinker berth

Construction of quay No. 3, to take 4 more berths

Bulk cargo jetty

Cost to be determined.

TAKORADI PORT

I. General Information

- Bunkers

Grade of fuels supplied, two grades available I.E. Fuel and gas oil. AT least 3 days advance notice is necessary. Fuel: 1500 gallons per second through pipelines. Gas oil: 37,8 gallons per second through mobile tanker.

Supplying companies:

Mobile Oil, Box 305 Takoradi
Shell, Box 56, Takoradi
BP (Ghana) Ltd. Takoradi
Texaco, P.O. Box 267, Takoradi
Ghana Oil Co. Ltd. (Goil)

- Towage

Available: Yes

Compulsory: Yes

Maximum HP of tugs: 1250 HP

Companies: Port Authority

- Shore leave

Allowance: Yes

Regulations: Every member of the crew is free to go ashore at any time of the day or night after the Immigration Officer has issued shore passes to that effect on the ships arrival.

II. Technical Information

- Channel

Length: Entrance harbour - no channel

Width: 50 ft

Maximum depth: 35 ft

- Tides

High water: 1.30m

Low Water: 0.80m

Tidal range: 0.50m

- Berthing

Total length of quay: 2850 ft. Number of terminals and allocations: 1 terminal, 9 buoy moorings.

Number of berths at each terminal: 6 berths on terminal (rep. 500-500-600-250-500 ft)

Total number of berths for deep sea vessels:
9 buoy berths and 8 deep water berths: these berths include those handling bauxite (maximum draft 30 ft) and managanese 28 ft and oil tankers 29 ft.

Maximum berthing depth:

Berth No. 1: (managanese): 28 ft

Berth No. 2: 26 ft

Berth No. 3: 26 ft

Berth No. 4: 28 ft

Berth No. 5: 28 ft

Berth No. 6: 29 ft

- Equipment (Public and Private)

18 portal cranes: 3T each

6 portal cranes: 10T each

4 portal cranes: 5T each

2 portal cranes: 15T each

1 portal crane: 7T

20 gantries: 3T each

1 mobile crane: 3T

1 mobile crane: 15T

- Storage facilities

  Covered storage area: State warehouse No. 7 back shed, sawn timber 1 and 2

  Open storage area: New cargo platform

- Careening facilities

  Slipway: Capacity* for barges, 500T (with side slips)

  Owner: Ghana ports authority

  Drydock

  Available: Yes

  Capacity* Only for fishing vessels and barges launchers 100 ft x 25 ft

  Owners: Ghana Ports Authority

III. Surface Transport Links

  Railway network

  Number of lines: 6

  Total length: 502 route miles

IV. Port Development and expansion plans

  Study on improvement of Takoradi Port.

TOGO

LOME PORT

I. General Information

- The Port Authority

PORT AUTONOME DE LOME

P.O. Box 1225, LOME (Togo)

Tel.: 21 47 42 : 21 47 43 : 21 47 44

Telex: 5243

- Related official bodies

Customs, quarantine, immigration, security, fire precautions

- Holidays

New Year's Day (January 1st)

Liberation Day (January 13th)

Victory Day (April 24th)

Independance Day (April 27th)

Labour Day (May 1st)

Christmas Day (December 25th)

Labour Regulation: Public Holidays

- Fresh water and provisions

Available: Yes

Mode of delivery: at quay

- Radio

Time of watch: 24 hours a day VHF

Frequencies channels: 12, 14, 16.

- Pilotage

Available: Yes

Compulsory: Yes over 300 N.R.T.

- Towage

  Available: Yes

  Compulsory: Yes over 500 N.R.T.

  Maximum HP of tugs: 3000 Hp

- Anchorage

  Area: West jetty 3322 off 0.5 - 1.5 mile main jetty

  depth: 39 ft

- Bunkers

  Grade of fuels supplied: Gasoline only

  Supplying companies: Societe Togolaise d'Entreposage (STE)

- Certificates required

  5 crew lists

  5 passengers lists

  4 port call lists

  1 int. certif. health

  Ship file

- Shore leave

  Allowed: Yes

  Regulations: Pass

II. Technical Information

- Channel

  Width: Entrance 300m

  Maximum depth: 13m

- Tides

  High water: 1.50 m

  Low water: 0.90 m

  Tidal range: 0.60

- Berthing

Total length of quay: 840m

Number of terminals and allocation: 4

General cargo terminal

Dry bulk cargo terminal

Tanker mooring

Fishing terminal

- Number of berths at each terminal:

4 berths general cargo

1 berth at all other terminals

- Total number of berths for deep sea vessels: 5

- Maximum berthing depth:

General cargo terminal: 10.50m

Dry bulk terminal: 11.20m

Tanker terminal: 12m

- Storage facilities

Covered storage area: 22000m^2

Open storage area: approx. 40000m^2

- Equipment

Cranes	Fork lifts
1 MC 150. 55T	3 Valmet. 29T
1 MC 140. 45T	2 Yale. 15T
1 MC 66.20T	13 Yale. 5T
1 MC Q 600.36T	22 Yale. 4T
1 406 M.27T	1 Yale. 3.5T
5 V 72. 12T	2 Yale. 3T
5 V 70. 10T	5 Hyster. 5T
5 Coles. 10T	5 Hyster. 5T
5 Hyster. 10T	5 Caterpillar. 5T

- Tractors

  6 MF. 68 CV

  8 Deutz. 70 CV

  2 Saviem. 150 CV

  3 Saviem. 220 CV

  3 Berliet. 260 CV

- Trucks

  53 "Plan"

III Surface Transport Links

It is served by both rail and road transport systems with its hinterland.

IV Port Development and Expansion Plans

Expansion of the port of Lome and construction of an access road.

BENIN

COTONOU PORT

I. General Information

- The Port Authority

PORT AUTONOME DE COTONOU
P.O. Box 927, Cotonou
People's Republic of Benin
Tele. 31 52 80 31 28 90
Telex: 5004 DIRPORT

- Related official bodies

Customs, Quarantine, Immigration, Security,
Fire Precautions

- Towage

Available: Yes
Compulsory: Yes
Maximum Hp of tugs: 1400 Hp

- Anchorage

Area: South and East of harbour West prohibited
Depth: Over 14m

- Holidays

New Year's Day (January 1st)
Victory Day (January 16th)
Youth Day (April 1st)
Labour Day (May 1st)
Armed Forces Day (October 26th)
National Day (November 30th)
Christmas Day (December 25th)

Production Day (December 25th)
Ramadan: Variable
Tabaski: Variable
Labour regulation: Public Holidays

- Bunkers
  Grade of fuels supplied: fuel and gasoline
  Supplying companies: SONACOP

- Certificates required
  International certificates
  Crew list
  Ship file cargo file
  Passenger list

- Fresh water and provisions
  Available: Yes
  Mode of delivery: Available at all quays

- Radio
  Time of watch: 24 hours a day
  Frequencies/channels: PNQ11AMVHFSTR
  65/CRM FM.VHF ch 12, 14, 16, 18/2182 KHZ

- Pilotage
  Available: Yes
  Compulsory: Yes
  Regulations: Port regulations

- Shore leave
  Allowed: Yes/No
  Regulations: Port police

- Local time

GMT + 1

II Technical Information

Channel

Width: entry 180 m

Maximum depth: N.A.

- Tides

High water: 1.95m

Low water: 0.20m

Tidal range: 1.60m

- Berthing

Total length of quay: 1320m

Number of terminals and allocation:

2 terminals

Number of berths at each terminal: 4

4 at main quay

4 for main quay

4 for tankers

Total number of berths for deep sea vessels: 8

Maximum berthing depth: 36 ft

- Storage facilities

Covered storage area: 55350m^2

Open storage area: 336500 m^2

Oil product area: 46200 m^2

Cold storage: 250T at 25°C.

- Careening facilities

Synchrolift elevator

Capacity: 250T

Owner: Port Authority

III Surface Transport Links

- Railway network

Total length: 438 km

- Road network

Maximum distance: Niger Volta Mali

Total length: 7000 km

IV. Development and Expansion Plans

- Studies

Object: General cargo port extension

Construction of 600m of quay (4 berths)

1 container berth and Ro/Ro berth

Dredging of 2500000m^3.

Equipment and construction of 18000 m^2 of covered storage area 70 000 m^2 area for containers, etc. also envisaged.

NIGERIA

I. General Information

- The Port Authority

NIGERIAN PORTS AUTHORITY
26/28 Marina, P.M.B. 12588 LAGOS, Nigeria
Telephone: 500620

Relevant Port Complex: Apapa Port Complex and Tin Can Island

- Related official bodies

Customs, quarantine, immigration, security fire precautions

- Holidays

New Year's Day (1st January)
Ash Wednesday: (February 16)
Good Friday (April 1)
Easter Monday (April 4)
May Day (May 1)
Id-El-Fitri (July 15-16*)
Id-el-Kabir (September 18-19*)
National Day (October 1)
Id-el-Maulud (December 16-17*)
Christmas Day (December 25)
Boxing Day (December 26)

Holidays in asterisk are moveable ones and therefore subject to ratification by the government. Essential services including port operations are usually performed during the public holidays except on October 1 and December 25 when all ports are closed.

- Fish water provisions and bunkering services

  Available: Yes

  Mode of delivery: Water boats are used to deliver water to vessels at anchorage or mooring buoys. Fresh water is also available on all berths at Apapa Quays, Ijora wharf berths and Tin Can Island port quays. Modern bunkering facilities are provided at Apapa and Tin Can Island Ports.

- Pilotage

  Available: Yes

  Compulsory: Yes

  Regulations: Pilotage is compulsory for every ship exceeding 1016 Gross Registered Tonnage entering, leaving port or changing berth. Pilotage must be by a pilot licensed by the Authority.

- Towage

  Available: Yes

  Compulsory: Yes

  Maximum Hp of tugs: 1500 HP

- Anchorage

  Area: Pool anchorage which can accommodate about 3 ocean-going vessels exists.

  Depth: 8.23m

- Bunkers

  Grade of fuels supplied: All grades

  Supplying companies: Shell, Mobil, Total

- Radio

  Time of watch: 24 hours

  Frequencies/Channels: 16, 14, 13, 12(f3)

- Certificates required

Ships entry notice (SEN)
Registration certificate for vessels
8 copies of final manifest for approved ships
Certificate of pratique
Certificate of Insurance of Vessel

- Shore leave

Allowed: Yes
Regulations: Depending on the shipping company

II. Technical Information Lagos-Apapa

- Channel

Length: 10 km
Width: Varies between 100 and 200m
Maximum depth: 9.23m

- Tides

High water: 0.95m
Low water: 0.90m

- Berthing

Total length of quay: 4059m
Number of terminals and allocation:
Petroleum products terminals:
B.O.P. Jetty, Apapa
New Oil Jetty, Apapa
Total number of hard quay berths
For deep vessels: 27
Maximum berthing depth: 10.50m

III. Technical Information Lagos Tin Can Island

Channel

Length: 12 km
Width: Varies between 100 and 200m
Maximum depth: 9.23m

- Tides

High water: 0.95m
Low water: 0.90m

- Berthing

Total length of quay: 2500m
Total number of berths for deep sea vessels: 10
Maximum berthing depth: 9.50m
Maximum vessel size:
Length: 250m
Draft: 9.50m

IV Technical Information Lagos Ijora Wharf

- Channel

Length: 11 km
Width: Varies between 100 and 200m
Maximum depth: 9.23m

- Tides

High water: 0.95m
Low water: 0.90m

- Berthing

Total length of quay: 122m
Total number of berths for deep sea vessels
Maximum berthing depth: 5.80m
Maximum vessel size:
Length: 122m
Draft: 5.80m
Tonnage: 6000T

Lagos-Apapa Port

General Information Lagos-Apapa Port

- Equipment (public and private

For use with Lagos Ports:

2 Floating cranes 100T and 45 T
1 Floating crane 250 T
1 Transtainer crane 35T
2 Portainer cranes 25-35T
33 Portal cranes 3T and 5T
1 Gantry crane 5T
64 mobile cranes 6-50T
260 Forklifts 2-35T
38 Freight lifters 8-30T
50 Tractors 15T
75 Trailers
9 Container handlers 35-40T
7 Straddle carriers 30T
13 Container front loaders 20-25T
5 other container cranes 30T
18 Tow tractors (Unimogs)
11 Produce stackers
11 Railway locomotives 268-300 WP

- Storage facilities

Covered storage area: 148,000 m^2
Cold storage capacity: 1,500 tonnes
Dry bulk storage capacity: 76,600 tonnes

- Careening facilities

Slipway
Available: Yes
Capacity: 500 tonnes (yet to be commissioned)
Owner Nigerian Port Authority

- Dry dock

Available: Yes
Capacity: 4000 tonnes
Owner: Nigerian Port Authority

Lagos-Tin Can Island Terminal

I. General Information Lagos - Tin Can Island

- Equipment (public and private)

For floating crane see Apapa
10 Portal cranes 5 - 10T
14 Mobile cranes 36.5-81.3T
208 Forklift trucks 2.5-28.5T
2 Container spreaders
18 Goosenecks Nefi
1 Weighing bridge 60T
18 Trailers
9 Tug Master
1 Tractor Fiat

- Storage facilities

Covered storage area: 54.000 m^2
Open storage area: 125.000 m^2

- Careening facilities

Slipway
Available: no

- Dry dock

Available: No

II. Surface Transport Links

- Inland Waterway Network

From Lagos through the creeks via the Niger. Benue system is navigable for a distance of over 1700 kms during the rainy

season. Barge traffic and shallow draught vessels to Garoua in Cameroon.

- Railway network:

Total length: Lagos-Maiduguri 1669 kms

- Road network:

Maximum distance: Lagos-Maiduguri

Total length: 177 kms

III. Development and Expansion Plans

- On-going projects:

Object: Federal Ocean Terminal, Rivers State.

The project involves the building of 1.500 metres quay length which accommodate 3 general cargo berths, 1 container, 1 Roll-on/Roll-off and 1 bulk berth each of 250 metres in length.

Cost: N130 million

Year of completion: not definite

Object: New access channel to Delta Ports

This is aimed at providing alternative shipping route to the Delta Ports through Escravos

Cost: To be determine

Year of completion: Not definite

- Proposed projects

Object: New entrance channel (moles)

Lagos Ports

This will involve the reconstruction and realignment of the Lagos Entrance Moles

Cost: To be determined

Year of completion: Not definite

Object: New Ocean terminal to be located at a suitable site.

This mutli-purpose ocean terminal is envisaged to be an industrial/commercial port.

Estimated cost: 305.4 million
Year of completion: Not definite

Object: Port Development Koko Port

The project envisages the construction of 3 berths with specialised cold storage facilities for the handling of fish, shrimps and agro-allied food products.

Estimated cost: 100 million
Year of completion: Not definite

Object: Inland container depots

This will involve the construction of inland container depots at certain major towns, including the new federal capital (Abuja) for expenditious handling of containers from the ports.

Estimated cost: 44.67 million
Year of completion: Not definite

Object: Reconstruction of old Apapa wharf berth 2 to 5. This is aimed at converting berths 2 through 5 with a total quay length of 628 metres to 3 container berths.

Estimated cost: 60.00 million

Year of completion: not definite.

Calabar Port

I. General Information

- The Port Authority

NIGERIAN PORTS AUTHORITY
N.P.A., P.M.B. 1014 - CALABAR
Telephone: 263
Relevant port complex: Calabar Port

Related official bodies

Customs, quarantinge, immigration, security, fire precaution.

- Fresh water and provisions

Available: Yes

Mode of delivery: by water hydrants on the quays

- Radio

Time of watch: 24 hours

Frequencies/channels: 16, 12 (F_3) Calabar port
16, 14, 12, 11 (F_3) - Qua-Iboe Oil Terminal

- Pilotage

Available: From Parrot island

Compulsory: Yes

Regulations: 1961 Pilotage regulations are still in force provided the vessel exceeds 1016, 05 gross tonnage. Ship must be piloted by a pilot licensed by the authority.

- Towage

Available: Yes

Compulsory: No

Maximum Hp of tugs: 240 Hp

Company: Nigerian Ports Authority

- Anchorage

Area: The pool anchorage can accommodate 3 ocean going vessels

Depth: 7.32m

- Bunkers

  Grade of fuels supplied: All grades of fuel

  Supplying companies: Mobil

- Certificates required

  Ship's entry notice

  Registration certificate vessels

  Seven copies of final manifests for approved ships

  Certificate of pratique

  Certificate of insurance of vessels

- Shore leave

  Allowed: Yes

  Regulations: Dependant on shipping company

- Local time

  GMT + 1

II. Technical Information

  Channel

  Length: 9 km

  Width: Between 50 at 10 m

  Maximum depth: 7 m

- Tides

  High water: 3 m

  Low water: 1.50 m

  Tidal range: 1.55 m

- Berthing

Total length of quay: 1159 m

Number of terminals and allocation: 1 terminal

(Qua-Iboe/Eket)

Number of berths at each terminal: 5 quays for ocean-going vessels and one coastal vessel. Total number of berths for deep sea vessels: 10 + 10 SBM

Maximum berthing depth: 7 m

- Equipment (public and private)

2 Mobile cranes: 6.10-10.16 T

1 Mobile crane: 25 T

17 Forklift trucks: 2.7 T

4 Freight Lifter: 8.2 T

15 Tractors

11 Trailers: 10-15 T

There is a fleet of articulated haulage trailers of 25 ton capacity and a variety of other motor vehicles for operations.

- Storage facilities

Covered storage: 36,651 m^2

Open storage: 110,000 m^2

- Careening facilities

Slipway

Available: Yes

Capacity: 600 T

Owner: Nigerian Ports Authority

III. Surface Transport Links

Road network

Maximum distance: Calabar-Maiduguri

Total length: 1527 kms

IV. Development and Expansion Plans

- Projects

Bulk handling equipment for cement planned for all ports including Calabar.

Estimated cost: $155 million for all the ports

Year of launching: 1981

Year of completion: 1988

PORT -HARCOURT PORT

I. General Information

- The Port Authority

NIGERIAN PORTS AUTHORITY

Private Mail Bag 5043

PORT HARCOURT

Telephone: 8130

- Related official bodies

Customs, quarantine, immigration, security, fire precautions

- Holidays

New Year's Day (January 1st)

Id-el-Malaud: Not fixed

Good Friday: Not fixed

Easter Monday: Not fixed

Id-el-Fitri: Not fixed

National Day (October, 1st)

Christmas Day (December 25th)

Essential services including port operations are usually carried on all public holidays except January 1st, October 1st, and December 25th.

- Fresh water and provisions

Available: Yes

Mode of delivery: By water hydrants and by tanker barges.

- Radio

  Time of watch: 24 hours

  Frequencies/Channels: Pt. Ht/Bonny 16, 14, 13, 12, 11, 9 (F.3)

  Brass: 16, 10(F 3)

- Pilotage

  Available: Yes, Port Harcourt, Okrika, Bonny

  Compulsory: Yes

  Regulations: While entering and leaving the port, also when changing berth except for naval vessels or vessels less than 1016.05T. larger vessels must have a pilot licensed by N.P.A. on board

- Towage

  Available: Yes

  Compulsory: Yes

  Maximum Hp of tugs: 1490 B.Hp

  Company: Nigerian Ports Authority

- Anchorage

  Port Harcourt: Can accommodate 2 ocean vessels

  Depth: 6m

  Okrika: None

- Bunkers

  Grade of fuels supplied: All grades of fuel

  Supplying companies: Agip, Mobil, Total

Certificates required

Ship's entry notice

Registration certificate for vessels

Six copies of final manifests for approved ship

Certificate of practique

Certificate of insurance of vessel

- Shore leave

Allowed: Yes

Regulations: Dependent on the shipping company concerned.

- Local Time: GMT + 1

II. Technical Information

- Channel

Length: From fairway buoy 76 km

Width: Variable

Maximum depth: 7.90 m

- Tides

High water: 2.50 m

Low water: 1.80 m

Tidal range: 2.35 m

- Berthing

Total length of main quay: 1360 m

Terminal/jetty: Bulk oil plant

Total number of berths for deep sea vessels:

8 main berths including one for coal at Port Harcourt, 1 at Okrika and 3 at Bonny and 1 at brads.

Number of berths at each terminal: 10 buoy berths 7.60 m at Port Harcourt

1 lighter berth 1.83 m at Port Harcourt

Maximum berthing depth: 7.90 m

Maximum vessels size:

Length: 158 m

Draft: 7.90 m

Tonnage: 9 000 T

Mooring and berthing procedure:

The mooring and berthing of vessels is handled by a berthing Committee comprising Nigerian Ports Authority and Shipping Companies.

- Equipment (Public and Private)

7 Portal/gantry cranes: 5T

5 Mobile cranes: 6,10, 16,30, 48T

28 Forklifts (electric): 2.72T

3 Forklifts (diesel): 11.93T

22 Tractors: 2.72T

79 Tractors: Heavy duty

6 Bag stackers

5 Railway shunting locomotives: 265 Hp

15 Railway wagons (fat-type)

16 Platform weighing scales

- Storage facilities

Slipway

Available: Yes

Capacity: 600T

Owner: Nigerian Ports Authority

III. Surface Transport Links

- Inland waterway network

River: None

Creek navigation from Port Harcourt, Okrika and Bonny to the Niger - Benue system is possible for a distance of over 1600 km to Garuwa in the Cameroons.

- Railway network

Number of lines: One line

Port Harcourt - Maiduguri

Total length: 1470 km

- Road network

Maximum distance: Port Harcourt-Nguru

Total length: 1526 km

IV. Development and Expansion Plans

- Projects

Description: A600 - Ton slipway is to be constructed at the Port Harcourt Dockyard

Cost: N 7.28 million

Year of launching: 1981

Completion: 1988

Description: Onne lighter terminal (phase II): It involves the development of 1.3 km lighter terminal. The Phase I which involved the dredging of the harbours,

ship piling of the wharf, general reclamation, stacking areas and construction of access roads minus surfacing has been completed.

The Phase II which would involve the construction of administrative buildings, sheds, water and electricity supplies, dredging of the access from Dawes Island is in progress.

Cost: $17.6 million (phase II)

Year of launching: April 1979

Completion: 1981-85

Description: New Onneport near Port Harcourt. The agreement for the construction of the new Onne port was signed on 31st March 1980 and the contractor is now preparing for full mobilization.

The new port of Onne when completed will incorporate the following essential facilities.

3 numbers general cargo berth, each of 250 m length:

1 (No.) roll-on roll-off berth of 250 m length

1 (No.) container berth of 250 m length

1 (No.) bulk terminal of 250 m length

Channel along Ogu Creek dredged to -9m and -13m along the Quay Side in the main pool and turning basin.

V. Development and Expansion Plans

Navigational aids comprising (16 Nos.). Buoys laid from Ivy Point and 1 (No.) lighted beacon on edge of bulk wharf.

3 (Nos.) Nigerian Ports Authority standard transit sheds each 40m x 175 m and 3(Nos.) standard warehouse.

Administration building:

Clinic (400 m^2)

Control tower and service jetties (height: 37 m area: 800 m^2)

Central store (2500 m^2)

Gear stores (400 m^2)

Workers' canten (500 m^2)

Fire station (400 m^2)

Shipping agent's office (1500 m^2)

Lorry park (125 lorries)

Ample stacking area

Fresh water supply

Power station

Other standard buildings and service workshops.

Cost: N 206.44 million

Year of launching: 1980

Completion: 1985

Description: Modern bonded warehouse(s) are to be built at Lagos/Port Harcourt

Cost: N 10.35 million

Time of launching and completion: 1985

WARRI, BURUTU AND KOKO PORTS

I. General Information

- The port authority

NIGERIAN PORTS AUTHORITY

Ports of Burutu - Warri - Koko

P.M.B. 1054 WARRI-BURUTU-KOKO Nigeria

Tel.: 131 Warri

- Related official bodies

Customs, quarantine, immigration, security, fire precaution

- Holidays

New Year's Day (January 1st)

Id-el-Malaud: not fixed

Good Friday: not fixed

Easter Monday: not fixed

Easter Monday: not fixed

Id-el-Fitri: not fixed

National Day (October 1st)

Christmas Day (December 25th)

Essential services including ports operations are usually carried out except on January 1st, October 1st and December 25th. When these services are to be suspended on other public holidays, prior notice will be given.

- Fresh water and provisions

Available: Yes, Warri and Koko; none Burutu.

Mode of delivery: Quay water hydrant.

- Radio

Time of watch: 24 hours

Frequencies/channels:

Warri: 16, 14, 12, 11 and 9 (F3)

Koko: 16, 14 and 12 (F3)

Burutu: 16, 14, 12, 11 and 9 (F3)

Sapele: 2182KHZ (A3), 16, 14, 13, 12, 11

Escravos: 16 10 (F3)

Forcados: 16, 14 (F3)

Pennington: 16 (F3)

- Pilotage

Available: Yes

Compulsory: For the time being, pilotage is only compulsory in between Bennet Island and Warri. Local river guides are available at Escravos for pillotage of vessels to Koko and Burutu and Sapele.

- Towage

Available: Yes, towage facilities are still being provided by private organisations.

Compulsory: No

- Anchorage

Area: Pool anchorages available at Bennet island and Dodo Island

Depth: Warri: 6m, Koko: 6m, Burutu: 6m; Sapele: 6m

- Bunkers

Grade of fuels: Available only at Mobil oil jetty at Sapele under private arrangements and Texaco company at Warri and none at Koko and Burutu.

Supplying companies: Mobil

- Certificates required

Ships entry notice

Registration certificates for vessels Masters' declaration
Seven copies of final and clean manifests for approved ships

Certificate of pratique

Certificate of insurance of vessel

Shore leave

Allowed: Yes

Regulation: Depending on shipping company

II. warri technical information

- Channel

Length: 126 km

Width: 50-150 m

Maximum depth: 6m

- Tides

High water: 1.40 m

Low water: 0.30 m

Tidal range; 1.10 m

Berthing

Total length of quay: 2476m (including new Warri Port 1600m)

Number of terminals and allocation:

Private wharf for the Warri refinery

Number of berths at the ports and terminals

Hard quay berths: 15

Wharves/jetties: 4

Buoys berths: 6

Total number of hard quay berths for deep sea vessels: 14

Maximum berthing depth

Depth: 6.50 m (old) 11.50 m (new)

Maximum vessel size (along quayside):

Length: 250 m

Draft: 6.50 m (old) 11.50 m (new)

Tonnage: 10000T

- Plants and equipment

10 mobile cranes: 6-25T

1 Heavy lift crane: 32 T

13 Forklift trucks; 3-13T

3 Freight lifters: 15T

7 Tractors: 15T

27 Industrial trailers: 15T

- Storage facilities

Covered storage area:

(old) 14084.8m^2 (new) 43200 m^2

Total covered storage: 57,284.8m^2

Open storage area: (old) 49370 m^2

III. Surface Transport Links

- Inland waterway network

River: Niger-Benue system 1383 km from Warri to Garou in Cameroon.

- Road network

Maximum distance: Warri-Koko-Maiduguri

Total length: 1520 km

IV. Burutu Technical Information

- Channel

Length: 67 km

Width: 7m

Maximum depth: 6m

- Tides

High water: 1.37m

Low water: 1.07m

Tidal range: 0.30m

- Berthing

Total length of quay: 320m

Number of berths at the ports and terminals

Hard quay berths: 2

Buoys berths: 3

Total number of hardquay berths for deep sea vessels: 1

Maximum berthing depth: 5.70m (But loading is restricted to 3.96m)

Maximum vessel size (along quayside)*

Length: 229m Draft: 5.70m

Tonnage: 3500T

- Plans and equipment

10 mobile cranes: 6-25T

15 Forklift trucks: 1-3T

8 Tractors: 15T

39 Industrial trailers: 15T

- Storage facilities

Covered storage area: 7683 m^2

Open storage area: 181986 m^2

Cold storage: 38m^2

- Careening facilities

Slipway:

Available: Yes

Capacity: 500T - 660T

Owner: Nigerian Ports Authority

V. Development and Expansion Plans

- Projects

Description: Development of port of Burutu: Establishment of principal dockyard at Burutu for ship-building and repairing.

Cost: not known

Year of launching: not known

VI. Koko Technical Information

- Channel

Length: 89 km

Width: Variable

Maximum depth: 6m

- Tides

  High water: 0.90m

  Low water: 0.10m

  Tidal range: 0.80m

- Stevedoring companies (public/private)

  National Cargo Handling Company (public)

  Delport Stevedoring Limited (private)

- Storage facilities

  Covered storage area: available

  Open storage area: available

  Cold storage: available

- Berthing

  Total length of quay: 137m

  Number of berths at the ports and terminals

  Hard quay berths: 1

  Buoys berths; 1

  Total number of hard quay berths for deep sea vessels: 1

  Maximum berthing depth: 7.32m

  Maximum vessel size (along quayside):

  Length: 137m

  Draft: 7.32m

  Tonnage: 6000T

-

- Plans and equipment

2 mobile cranes: 6T

3 Forklift trucks; 1-3T

1 Freight lifter: 15T

1 Tractor: 15T

3 Industrial trailers: 15T

VII. Surface transport links

- Road network

Maximum distance: Warri-Koko-Maiduguri

Total length: 1520 km

VIII. Development and Expansion Plans

- Projects

Description: Koko Port Development

Development of 3 new berths with specialized cold storage facilities for port of Koko to cater for shrims, fish and other agro-allied food stuff and general cargo.

Cost: N60 millions

Year of launching and completion: 1985

CAMEROON

DOUALA PORT

I. General Information

- The Port Authority

CAMEROON NATIONAL PORT AUTHORITY

P.O. Box 4020, DOUALA, Cameroon

Telephone: 420133. 427322

Telex: 5270 KN

- Related official bodies

Customs, quarantine, immigration, security, fire precautions

- Fresh water and provisions

Available: Yes

Mode of delivery: at quay

- Radio

Time of watch: 24 hours a day

Frequencies/channels: 2182 KHZ

Channels: 14 & 16

- Holidays

New Year's Day (January 1st)

Youth Day (February 11th)

Labour Day (May 1st)

National Day (May 20th)

Assumption (August 15th)

Id-El-Kabir: not fixed

Good Friday: not fixed

Id-El-Friti: not fixed

Labour regulation: public holidays

- Shore leave

Allowed: Yes

- Local time

GMT + 1

- Pilotage

Available: Yes

Compulsory: Yes

- Towage

Available: Yes

Compulsory: Yes

Maximum Hp of tugs: 1800 Hp

Companies: URDO

- Anchorage

Area: Dock

Depth: 7.35m - 8.50m

- Bunkers

Grade of fuels supplied: fuel oil and gasoline

Supplying companies: Total, Mobile, Texaco, BP, Agip, Shell

- Certificates required

5 crew lists

2 Personnel effects lists

2 Ship files

1 Bill of lading

II. Technical Information

- Channel

Length: 21 miles

Width: 170m

Maximum depth: 5.80m

- Tides

High water: 2.55mm

Low water: 0.50m

Tidal range: 2.05m

- Berthing

Total length of quay: 2420m

Number of terminals and allocation:

5 specialised terminal: alucam, banana, dry bulk, Ro/Ro, containers, logs

Number of berths at each terminals: 1 to 3

Total number of berths for deep sea vessels: 17

Maximum berthing depth: 11.50m

- Equipment (public and private)

2 dredgers. 500 and 7900m^3/h

15 tugs 6 launches, 2 pilot boats

2 pontoons, 13 karry crane 232 trailers

99 tractors, 17 cranes

135 forklift, 19 challengers

9 caterpillars, 1 pingon, 2 trax

1 log stacker 13 barges and plates

- Careening facilities

Drydock

Available: Yes

Capacity: 500T - 1000T

Owner: ONPC

III. Surface Transport Links

- Railway network

Number of lines: 2

Total length: 1172 km

- Road network

Total length: 40000 km

IV. Development and Expansion Plans

- Projects in Progress

The installation of a new computer system at "l 'Office National des Ports du Cameroun".

The installation of a long-term storage area covering 20 hectares (zone Udeac-Tchad) for those goods going to and from Tchad, North-Cameroon and the Udeac countries. The development of oil research logistic zones located up-stream (23 ha) and down-stream (22 ha) from the commercial harbour, and comprised of 350 meters of quay.

- Short, medium and long-term studies

The construction of a mixed terminal with the following characteristics: 600 linear meters of quay, 6500 m^2 of warehouses for the conservation of fruit. The purchase of a sea tugoboat. The technical and economic study concerning the deepening of the access channel of the Douala Harbour.

The construction of a deep-water harbour at Rocher du Loup for mineral and timber traffic (preliminary studies have been completed).

The construction of a deep-water harbour at Cap Limboh (studies have been completed and a master plan of the harbour is available).

EQUATORIAL GUINEA

General Information

The country has a number of smaller ports out of which the following are the main ones: Malabo, Bata, Puerto Macias, Rey Malabo. No port infrastructure exist in all these ports except mooring buoys.

Usually pilots are not available and Radio Communications almost non-existance because of operational problems. Masters are advised to be very careful in handling their vessels in ports of Equatorial Guinea.

In Phase II of the Decade programme there is a project of Equatorial Guinea, namely Rehabilitation of the Ports Malabo and Bata. The project at the completion of the development work of the port of Malabo and equipping the port of Bata with the necessary protective structures and equipment.

When implemented, the ports of Equatorial Guinea would have a real characteristics of ports with some infrastructures laid down.

Sao Tome and Principle Ports

No information was available of ports of Sao Tome and Principe during the preparation of this port guide.

GABON

LIBREVILLE/OWENDO PORT COMPLEX

I. General Information

- The Port Authority

OFFICE DES PORTS ET RADES DU GABON

P.O. Box 1051, LIBREVILLE Gabon

Telephone: 70.17.59

Telex: 5319 GO

- Related official bodies

Customs, quarantine, immigration, security, fire precautions

- Holidays

New Year's Day (January 1st)

Reservation Day: (March 12th)

Easter Monday (not fixed)

Labour Day (May 1st)

Ascension Day (not fixed)

Pentecost Day (not fixed

Independence Day (August 17th)

All Saint's Day (November 1st)

Christmas Day (December 25th)

Labour regulation (public holidays)

- Fresh water provisions

Available: Yes

Mode of delivery: direct delivery at quay

- Radio

Time of watch: 24 hours a day

Frequencies/channels: VHF 16

- Pilotage

Available: Yes

Compulsory: Yes 150 N.R.T.

Regulations: Pilot boards ship 1 mile

Off harbour

- Towage

Available: Yes

Compulsory: Yes 500 n.r.t.

Maximum Hp of tugs: 1200 HP

- Bunkers

Grade of fuels supplied: N.A.

- Certificates required

Health Certificate:

Nationality certificate:

Ship file

Passenger list

Crew list

- Shore leave

Allowed: Yes

Regulations: Pass signed by Captain and Harbour Master's Office

Local time: GMT + 1

II. Technical Information

- Channel

Length: 12 miles

Width: 1 to 4 miles

Maximum depth: 30 to 32 ft

- Tides

High water: 2.20m

Low water: 0.20m

Tidal range: 2.00m

Berthing

Total length of quay: 456m

Number of terminals and allocation: linear quay

Total number of berths for deep sea vessels: 3

Maximum berthing depth:

30 to 32 ft depending of time of the year

Equipment (public and private)

17 Mobil cranes: 5 to 20T

3 Mobile cranes: 20 to 50T

3 Travelline cranes: 20 to 50 T

37 Forklifts trucks: 5T

9 Fork lifts trucks: 5 to 20T

2 Chariot caval, side loaders: 20 to 50T

29 Trucks

120 Carriages

- Wood storage

  Capacity 1,500,000m3

  Floating and heavy woods on barges

- Storage facilities

  Covered storage area: 15,000m2

  Open storage area: 100,000m2

III. Inland Waterway Network

  Rivers: COMO Navigable up to 200 km

  OGOOUE Navigable up to 300 km

  Lake/Lagune: FERNAN VAZ (Omboue)

  IGOUELA - N'DOGOG (Sete Kama)

  BANIO (Mayumba)

- Road network

  Total length: 5070 km

  Including 342 km asphalt road

IV. Development and Expansions Plans

  Studies

  Object: OWENDO's general cargo port extension

  Cost: 30 milliards CFA

  Year of completion: 1985/1986

PORT-GENTIL

Technical Information

High water: 2.50m

Low water: 0.50m minimum

Tidal range: 2m

Berthing

Cargo berth: 380m

Depth: 11m

Fishing berth: 280m

Depth: 7m

- Storage facilities

Covered storage are: 6000 m^2

Open storage area: 50000 m^2

- Available

Water: Electricity: Telephone

- Towage

Compulsory: Yes

Maximum Hp of tugs: 1000 Hp

- Careening facilities

Naval repairs possible for small fishing vessels

- Projects

Cold storage

CONGO

POINT-NOIRE PORT

I. General Information

- The Port Authority

DIRECTION DU PORT
P.O. Box 711, Pointe-Noire
People's Republic of the Congo
Telephone: 94.00.52
Telex: CFCO 8231 KG

- Related official bodies

Customs, quarantine, immigration, security, fire precautions

- Holidays

New Year's Day (January 1st)

Sacrifice Day (March 18th)

Labour Day (May 1st)

Nation Day (August 15th)

Day of the Dead (November 1st)

Children's Day (December 25th)

Foundation of P.C.T. (December 31st)

Labour regulations: Public Holidays with possible derogation

- Fresh water and provisions

Available: Yes

Mode of delivery: Direct delivery at quay or water tankers

- Pilotage

  Available: Yes

  Compulsory: Yes

- Towage

  Available: Yes

  Compulsory: Yes, 130m long

  Maximum Hp of tugs: 1000 Hp

- Bunkers

  Grade of fuels supplied: gasoline - fuel petrol

  Supplying companies: Hydro-Congo

II. Technical Information

Berthing

- Total number of berths for deep sea vessels: 10

  Maximum berthing depth:

  Quay D: 9.15 m

  Quay G: 13.2 m

  Mole 1: 9.45 m

  Oil berths: 10.30m

- Equipment (public and private)

  40 fork lift trucks: 2 to 11T

  21 Karry cranes: 2T

  9 Mobile cranes: 15 to 45 T

  04 Ind. trucks: 2 to 15T

  75 Road barges

  50 Hyster (trucks)

  7 Cranes & derricks: 15 to 20T

- Storage facilities

Covered storage area: 74777 m^2

Open storage area: approx. 380442 m^2

Cold storage: 1379 m^2

- Careening facilities

Slipway

Available: Yes

Capacity:

Owner: ATC port

III. Surface Transport Links

Railway network:

Number of lines: 1

Total length: 730 km

IV. Development and Expansion Plans

- Studies

Object: Master plan of the port showing various extension at Mack.

- Projects

Fishing port construction of 700m of linear quay at 7.00m deep with 5 ha open storage area.

- Description

Construction of containers and Ro/Ro terminal

Best copy available

ZAIRE

BOMA, MATADI, BANANA PORTS

I. General Information

- The Port Authority

ONATRA & REGIE DES VOIES MARITIMES
BP 98 KINSHASA 1 et Bp 91 BOMA
Republic of Zaire

Telephone: 24761 to 769 - 22421 to 424

Telex: 21017 ZR Onatkin

- Related official bodies

Customs, quarantine, immigration, security, fire precautions

- Pilotage

BP 13999 Kinshasa 1. Tel. 24885

RVM Boma: BP 91. Tel. 76

Available: Yes

Compulsory: Yes over 500 RNT

Regulations: No night pilotage

- Towage (Onatra)

Available: Yes,

Compulsory: No.

Maximum HP of tugs:

Banana: 600 cv. Vivi: 1200 cv.

Soyo: 200 cv., Inga 1: 850 cv, Boma: 200 cv

4 boats for passengers:

Troncon, Matadi, Boma, Banana

- Holidays

New Year's Day (January 1st)

Martyrs of Independance Day: (January 4th)

Labour Day: (May 1st)

Anniversary of MPR (May 20th)

Anniversary of Zaire's Currency & Fishermen's Day: (June 24th)

Independence Day; (June 30th)

Parent's Day (August 1st)

Anniversary of Founder Chairman of MPR & Youths Day: (October 14th)

The Three Z's Day (October 27th)

Armed Forces Day (November 17th)

Anniversary of the New Regime (November 24th)

Labour regulations: Public holidays

- Anchorage

Buoys 14 and 41

Area Boma/Matadi: Ikungulu

Depth: 21 ft to 22 ft

- Bunkers

Grade of fuels supplied: Gasoline

Supplying companies: Petrozaire

- Certificates required

RNT certificate

- Fresh water and provisions

Available: Yes

Mode of delivery: After formal request to Regideso delivery from 18.00 h - 06.00 h.

- Radio

Time of watch: Boma 06.00h - 17.00h

Matadi 06.00h - 17.00h

Banana 04.00h - 20.00h

Frequencies/channels: V.H.F. Channel 16

- Shore leave

Allowed: Yes

Regulations: After obtaining pass from immigration office

II. Technical Information

- Channel

Length: 148 km for Matadi: 88 km for Boma

Width: 150 to 200 m

Maximum depth: 7 to 9 m

- Tides

High water: 9.00m

Low water: 7.20m

Tidal range: 1.30m

- Equipment (public)

2 Forklifts: 2.4T

2 Mobile cranes: 17 to 20T

- Berthing

Matadi

Total length: 1610 m

+ 150m to Ango (inflammable berthing)

+ 60m (tankers)

Number of terminal and allocations:

Matadi:	625m with 4 stations
Fuka-fuka:	525m with 3 stations
Kala-kala:	460m with 3 stations
Ango-ango:	150m with 1 station

- Boma

Total length: 450m

Number of berths at each terminal: 4

Maximum depth:

Matadi: 7 to 9 m. Boma: 7 to 9 m

- Banana

Total length: 75m

III. Surface Transport Links

Ports are served by road and inland water transport systems. A railway connection is under construction to Banana port.

IV. Port Development and Expansion Plans

- Construction of the port of Banana
- Expansion of the port of Matadi
- Construction of landing stage for cereals at the Port of Matadi

ANGOLA

LUANDA PORT

I. General Information

Angola has 4 major ports, namely Cabinda, Lobito, Luanda and Mocamedes. For this exercise only Lobito and Luanda are considered.

- Port Authority and Address

Servicos de Portos, chaminhos de Ferro, e Transportes

Luanda, Angola

- Agencies

Contact Port Authority

- Documents

- 6 copies cargo manifest
- 3 B/L
- 8 Transit cargo manifest
- 5 Transit B/L
- 6 Crew list
- 1 Quarantine manifest
- 7 Ports of call list
- 7 Passenger list
- 2 Provisions and store list
- 1 Crew personal effect manifest
- 1 Health declaration
- All ship's certificates

- Bunker

Limited number of grades can be obtained subject of nomination weel in advance. No barges available.

- Fresh water

Available through quay pipeline

- Health

Pratique may be granted by radio through Radio Luanda, addressed Port Authority or via agents.

- Medical

Minor cases can be treated immediately on arrival. Serious cases to be referred to hospitals with advance notice.

- Repair facilities

Minor repairs and hull repairs above the water-line can be carried out.

- Communications

Addressed Luanda radio for ETA, draft and requirements. Call signs CQW on 500 Kc/s, CQW3 on 13.023 Kc/s, CQW on 8.565 Kc/s.

- Shore leave

Permitted

- Local time

GMT + 1 hour

- Related official bodies in port

Customs, immigration and quarantine offices located inside the port

- Holidays

Saints Day (1st January)

Portugal Day (10th June)

Saints Day (15 August)

Republic Day (5th October)

Saints Day (1st November)

Independence Day (1st December)

Saints Day (8th December)

Christmas Day (25th December)

Note: No cargo work on these holidays.

II. Technical Information

(a) Entrance: A vessel to be considered an "arrival ship" should be anchored in the bay past a line drawn the ILHA light and across the bay to Port S. Pedro.

Channels: --

Tides: --

Pilotage: Compulsory. 72 hrs. notice of arrival, addressed agents via Luanda Radio.

Towage: Available and compulsory for berthing and unberthing of vessels

Salvage: --

Others (specify): --

(b) Berthing: Berthing is on the basis of first come first served except for passenger vessels which are given priority.

	No.	Length	Depth
General cargo berths	7	3500 ft	32 ft
Passenger berths (at general cargo berth)	-	-	-
Oil berths (terminals)	2	-	34-40 ft
Mineral berths	1	900 ft	32 ft

	No.	Length	Depth
Timber berths	-	-	-
Grain berths	1	900 ft	32 ft
Livestock berths	-	-	-
Fruits and vegetable berths (at general cargo berth)	-	-	-
Container terminals	-	-	-
Ro/Ro terminals	-	-	-
Fish berths	-	-	-

Anchorage: Luanda bay offers safe, sheltered anchorage at all times of the year.

(c) Handling facilities

Equipment: One of the bottlenecks for port congestion in Luanda port is lack of cargo handling equipment. The following equipment are available.

	No.	Type	Capacity
quay cranes	5	-	3-10 T
Mobile cranes	1	-	20T
Floating cranes	1	-	100T
Yard cranes	-	-	-
Transtainers	-	-	-
Travel bridge cranes	-	-	-
Gantry cranes	-	-	-
Straddle carriers	-	-	-
Forklifts (general cargo)	10	-	2-5T
Container forklifts	-	-	-
Trailers	10	-	-
Tractors	5	-	-
Lighters	-	-	-
Others (specify)	-	-	-

(d) Storage facilities: Lack of storage facilities and uneconomic utilization of the existing ones are also one of the causes for congestion. Further information is not available.

III. Other Transport Links to Port

- Railway network: Good railway link with the hinterland exist.

  Road network: Good road connections exists between the port and its hinterland.

- Air connection: International airport: Yes, The Airport is only 4.5 miles from the port. Various international flights are there daily from Europe and Africa.

- Inland Water Transport: -

- Pipelines: -

IV. Port Development and Expansion Plans

Congestion is one of the main problems of the port of Luanda. The causes for congestion are in efficient management and operation; inadequacy and dilapidation of storage facilities, lack of cargo handling equipment, lack of skilled staff etc.

In Phase II of the Decade programme there is a port development project which caters to avoid the convestion problem of the port. When implemented it would greatly reduce congestion in port.

LOBITO PORT

I. General Information

- Port Authority and Address

Port Manager
Lobito Port
Lobito (Angola)

- Agencies

Contact Port Authority

- Documents

- An health certificates of crew and passengers
- Passengers list Trans/Disembarking
- Personal effect lists
- Ship's stores list
- Dangerous cargo list
- Freighted/unfreighted cargo manifest
- Cargo plans

- Bunker

Fuel oil available, viscosity up to 1500 Sec. Red Wood.
24 hours notice bunker requirement essential.

- Fresh water

Available

- Health

Pratique never given by radio, but granted after Port Authorities board vessels.

- Medical

  Radio before arrival if medical assistance necessary on entry

- Repair facilities

  Available and contact Port Authority

- Communications

  Lobito Radio (call sign CQZ) operates only 200/400 miles only. Use Luanda Radio (call sign CQW) for ETA

- Shore leave

  Permitted

- Local time

  GMT + 1 hour

- Related official bodies in port

  Customs, immigration and quarantine offices located inside port area.

- Holidays

  - 1st January
  - Easter
  - 10th June (National)
  - May/June (Corpus Day)
  - 15th August (Ascension Day)
  - 2nd September (City Day)
  - 5th October
  - 1st November (all Saints Day)
  - 1st December (Independence Day)

- 8th December
- 24th December
- 25th December

II. Technical Information

(a) Entrance: No restriction of entrance. Vessels can entre and leave the harbour day and night.

- Channels: -
- Tides: -
- Pilotage: Compulsory and request Port Authority through Agent
- Towage: Tugs join vessels whilst berthing and sailing. Ship line used.
- Salvage: -
- Others: (Specify):

(b) Berthing

	No.	Length	Depth
General cargo berths	5	-	30 ft
Passenger berths (at general cargo berth)	-	-	-
Oil berths	2	-	30-35 ft
Mineral berths	2	-	35 ft
Timber berths	-	-	-
Grain berths	-	-	-
Livestock berths	-	-	-
Fruits and vegetable berths	-	-	-
Container terminals	-	-	-
Ro/Ro terminals	-	-	-
Fish berths	-	-	-

Anchorage: Lobito Bay excelelnt holding ground

(c) Handling facilities

Equipment: Normal; routine gear: Wire and rope slings, nets, chain slings, baskets, graps are used. Mostly ship's bear are used.

	No.	Type 8	Capacity
quay cranes	4	-	3-10 T
mobile cranes	1	-	10T
Floating cranes	1	-	100T
Yard cranes	-	-	-
Transtainers	-	-	-
Travel bridge cranes	-	-	-
Gantry cranes	-	-	-
Straddle carriers	-	-	-
Forklifts (general cargo)	5	-	3-5T
container forklifts	-	-	-
Trailors	8	-	-
Tractors	4	-	-
Lighters	-	-	-
Others (specify)	-	-	-

(d) Storage facilities: Storage facilities are not adequate and even those available are not properly utilized.

III. Other Transport Links to Port

- Railway network: Lobito port is connected by rail system which is again connected to the Southern Africa railway system.
- Road network: It is well served by road connection with its hinterland
- Air connection: International airport: No. There is a local airport which is served by daily light with Luanda.

- Inland water transport -

- Pipelines -

IV. Port Development and Expansion Plans

Lobito port provides transit services to Zaire, Zambia etc. To improve future operation of the port, it is intended to conduct a survey of the existing facility of the port and try to invest according to the recommendations of the survey.

CAPE VERDE

MINDELO PORT

I. General Information

The Republic of Cape Verde has several smaller ports spread out in all the 7 Islands that make the Republic. Among all the largest is PORTO GRANDE which is located on the Island of St. Vincent. The second largest is PRAIA which is also the capital city.

- Port Authority and Address

Ports Autonome de Cape Verde
Mindello (St. Vincent)
Cape Verde

- Agencies

Agencia Nacional de Viagens
P.O. Box 16
Sao Vincent, Cape Verde

- Documents

- 5 crew list
- 4 passengers list
- 1 health declaration
- 2 copies of store list

- Bunkers

Oil bunkering is carried out exper berth or by lighter at anchorage.

- Fresh water

Can be supplied at anchorage or at piers.

- Health

  Free pratique can be obtained before the arrival on application by radio to Guarda Mor.

- Medical -

- Repair facilities

  Slipping facilities available for crafts of 250 tons. Minor repair at berths is possible.

- Communications

  ETA should be sent to Agents by Radio at least 48 hours before arrival. Use St. Vincent Radio CQA - 500 Kc/s and 8.738 mc/s twenty four hours a day.

- Shore leave

  Permitted

- Local time

  GMT minus 1 hour

- Related official bodies in port

  Customs, immigration and quarantine offices located inside port area.

- Holidays

  - New Year's Day (1st January)
  - St. Vincent Day (22nd January)
  - National Holiday (10th June)
  - Corpus Christ (13th June)
  - Assumption Day (15th August)
  - Republic Day (5th October)
  - All Saints day (1st November)
  - Restoration of Independence, Immaculate Conception 8 December)
  - Christmas Day (25th December)

II. Technical Information

Entrance: Ports Grande is a natural semi-circular harbour sheltered and safe, facing Island of Santo Antao over a channel approximately 10 miles wide.

Channels: -

Tides -

Pilotage: Compulsory and Radio notice of ETA should be sent to Agents 48 hours before arrival.

Towage -

Salvage: -

Others (specify): -

Berthing

	No.	Length	Depth
General cargo berths	11	550 m	3.50-11.5m
Passenger berths (at general cargo berth)	--	--	--
Oil berths (anchorage)	1	--	N.A.
Mineral berths	--	--	--
Timber berths	--	--	--
Grain berths (at general cargo berth)	--	--	--
Livestock berths	--	--	--
Fruits and vegetable berths	--	--	--
Container terminals	--	--	--
Ro/Ro terminals	--	--	--
Fish berths	--	--	--

Anchorage: Anchorage berth is 4 to 20 fathoms.

Handling facilities

Equipment: Ship's derricks are used. No quay side cranes available.

	No.	Type	Capacity
Quay cranes	--	---	--
Mobile cranes	2	--	5-10T
Floating cranes	--	--	--
Yard cranes	--	--	--
Transtainers	--	--	--
Travel bridge cranes	--	--	--
Gantry cranes	--	--	--
Straddle carriers	8	--	2-5T
Forklifts (general cargo)	--	--	--
Container forklifts	--	--	--
Trailors	10	--	--
Tractors	5	--	--
Lighters	2	--	--
Others (specify)	--	--	--

Storage facilities

	No.	Area
covered	4	12,000 sq.m
uncovered	--	20,000 sq.m
Cold storage	1	1,000 sq.m
Silos	--	--
Others (specify)	--	--

III. Other Transport Links to Port

- Railway network: No (Island)
- Road network: No (Island) (Inter-Island connection are by sea and air)
- Air connection: International airport: No. There is daily service to Praia where there is International connection.
- Inland Water Transport: -
- Pipelines: -

IV. Port Development and Expansion Plans

In Phase II of the Decade programme there is a project of the port of Porto Grande to improve the over-all port facilities. The project includes study of the restoration of Porto Grande wharfs, drawing-up of a master plan, provision of Ro/Ro facilities etc. when implemented, the project will assist to improve the port situation of Porto Grande.

PART III

NORTH AFRICAN PORTS

EGYPT

ALEKSANDRIA PORT

I. General Information

Egypt's main ports on the Mediterranean Sea are Aleksandria, Port Said and Marsa Matrough while those on the Red Sea are Port Suez (Ibrahim, Addabia) and Safaga. Besides there are other smaller ports on both sides of the seas.

For this exercise Alexanderia and Suez Canal Ports (Port Said and Suez Port together) are considered.

- Port Authority and Address:

Alexanderia Port Authority

Alexanderia, Egypt

- Agencies

See Port Authority

- Documents

  - 4 copies of crew list
  - 4 copies list of passengers in Transit
  - 4 Copies list of embarking passengers
  - Deck log book
  - For quarantine, completed questionnaire and crew list
  - For immigration, arrival immigration form completed and passengers list
  - For customs, Bonded Store List crew and passenger list

- Bunker

Fuel available by barge

- Fresh water

Available by barge and alongside most quays

- Health

On entering vessels must hoist the international quarantine signal for compulsory quarantine. Any sickness must be reported to the Doctor. The Doctor meet ships whilst entering the port and ships are boarded in Turn.

- Medical

Hospital facilities are available, international vaccination certificate required.

- Repair facilities

All types of repair facilities available

- Communications

Alexanderia Radio, call sign DUH, operating 24 hours daily on 444,500 and 8578 KHZ and between 0600 to 1800 GMT on 12,974 KHZ. Also harbour VHF channel 16.

- Shore leave

Permitted

- Local time

GMT + 2 hours (during winter October to April) summer (May to September) GMT + 3 hours.

- Related official bodies in port

Customs, immigration and quarantine offices located inside the port.

II. Technical Information

Entrance - Entrance channels 36ft depth, being dredged to 50ft. Arriving vessels should keep 50 miles offshore between sunset and sunrise.

Channels: -

Tides: -

Pilotage: Compulsory, pilot boards off harbour entrance. International code signals used.

Towage: Tugs are available for berthing and unberthing vessels inside harbour

Salvage: -

Others (specify) -

Berthing

	No.	Length	Depth
General cargo berths	27	3400m	12 m
Passenger berths at general cargo berth	-	-	-
Oil berths	4	1500ft	38ft
Mineral berths)			
Timber berths)	4	2800m	40ft
Grain berths)			
Livestock berths	-	-	-
Fruits and vegetable berths (at general cargo be berth)	-	-	-
Container terminals (at general cargo berths)	-	-	-
Ro/Ro terminals (at general cargo berth)	-	-	-
Fish berths	-	-	-
Anchorage	-	-	-

Handling facilities:

Equipment: Elexanderia Stevedoring Company, a subsidiary of Alexandria Port Authority, is the owner of all cargo handling equipment in the port. All types of cargo handling equipment are available in the port. During the preparation of this guide, information was not available.

Storage facilities: There are both public and private storage facilities in port and around the port - Alexanderia Stevedoring Company owes most of them. Information was not available in the number and capacity of the storage facilities.

III. Other Transport Links to Port

- Railway network: Alexanderia port is connected with its hinterland by rail system.
- Road network: A good road connection exists between Alexanderia port and its hinterland.
- Air connection: International airport; Yes. The international airport at Alexanderia has daily connection with Cairo and other European cities.
- Inland Water Transport: -
- Pipelines: There is pipe line connection (for oil) between Alexanderia and Cairo.

IV. Port Development and Expansion Plans

Alexanderia is the main port of Egypt and handles 90% of the country's export and import. The two other important ports for dry bulk and general cargo are port Suez and port Said located at each end of the Suez Canal. Two other ports, Safaga and Oseer on the Red Sea, have specialized in bulk traffic of phosphate and other minerals. Egypt has also specialized oil ports on the mediterranean as well as Red Sea.

Despite expansion problem of Alexanderia port due to lack of space on the city side, the water side expansion is ongoing to acquire operational land for the port and berthing facilities. Special container and Ro/Ro terminal is underway at present. For the land side development of the port, the adjacent part of the city has to be demolished.

According to the National Development Plan for the period 1982/86 new smaller ports of Dekhila and Dimyat would be developed. In the same development plan it is also envisaged that all Egyptian ports by the year 1987 would handle about 35 million tons of cargo. The present traffic is 18 million tons.

SUEZ CANAL AUTHORITY

I. General Information

- Port Authority and Address

Arab Republic and Egypt
Suez Canal Authority
ISMAILIA
Telegram address: SUCANAL EGYPT
Telex: 92153 UN SUCAN

- Agencies

Contact Suez Canal Authority

- Documents

  - 4 copies crew list
  - Ships register and Suez Canal Tonnage Certificate
  - Double bottoms tanks
  - Navigability form, dry dock certificate
  - Manifest of cargo
  - 4 Transit passenger list
  - 4 disemarking passengers list
  - Docklog books
  - Free pratique certificate
  - Load certificate
  - Arrival form
  - Quarantine form
  - Immigration forms
  - Customs forms
  - Pilot forms

- Bunkers: Different grades of fuel oil are available. Master should advise in his ETA message of the fuel requirement. There is a bunkering station of 4 vessels at one time.

- Fresh water: Is available for supply ex-self propelled barges. Other provisions like food, drinks are also available.

- Health: On entering vessels must hoist the international quarantine signal for compulsory quarantine.

- Medical: Agents should receive advance notices of required medical attendance at least 24 hours before arrival of vessels.. Hospital and Dockets available.

- Repair facilities: All types of repair facilities are available. There is also dry dock.

- Communications: ETA messages can be transmitted to Agents and Suez Canal Authority through Port Said Radio and/or Alexanderia Radio for vessels calling at Port Said. The same for vessels calling at Suez through Kosseir Radio.

- Shore leave: Permitted

- Local time: See under Alexanderia Port

- Related official bodies in port:

  Customs, immigration and quarantine offices located inside the Port.

- Holidays: See under Alexanderia Port

II. Technical Information

(a) Entrance: There is no restriction regarding entering Port Said harbour as well as Suez Bay. Vessels must arrive at the pilot station not later than 0330 hours and 1530 as the northbound convey exits the canal daily from 1730 hours till 2300 hours and the southbound convoy starts getting under way to enter the canal from 2300 hours to 0200 hours. There are restrictions of sizes of vessels and for that .. contact Suez Canal Authority.

- Channels: --

- Tides: --

- Pilotage: Compulsory. Ships are advised to enter pilot waiting area and wait for pilots and instructions.

- Towage: Highly qualified tugs and crew are available.

- Salvage: Salvage tugs boats of high quality are available.

- Others (specify): --

(b) Berthing: There are about 30 berths of different sizes and depth, 64 basins of different depth of Port Said and about 12 berths and many pontoh berths of Suez Port. Their number, size and draught are not available for the time being.

(c) Handling facilities:

Equipment: In Port Said no shore crane and mobile cranes are available. Cargo are discharged from vessels with lighters. There are forklift trucks and tractors/trailors. Suez Port has no shore cranes but mobile cranes are available. Here also cargo is discharged with lighters in most cases.

(d) Storage facilities: In both ports storage facilities are available (Port Said and Suez Port)

III. Other Transport Links to Port

- Railway network: Railway connection exist between these ports and their hinterlands. There is also road connection between these ports and their hinterlands.

- Air connection: International airport; NO.. The International airport is at Cairo which is 2½ hours flight from Port Said to Cairo. Daily local flights are available between these ports and Cairo.

- Inland Water Transport: There is also inland water transport connection.

- Pipelines: - Yes, between Suez and Cairo for oil -

IV. Port Development and Expansion Plans

Both the canal as well as the ports are constantly being expanded, modernized and improved. The towns and ports of Port Said and Suez owe their existance to the Suez Canal.

The two ports are important as supply and bunkering base and also as ship repair stations for vessels passing through the Suez Canal. To meet these objectives and to allow smooth passage through the canal, the Government develops the ports and the canal continuously.

LIBYA

TRIPOLI PORT

I. General Information

Libya has two major ports and four secondary ones. Tripoli and Benghazi are the main and Misurata, Derna, Toburk and Assura are the secondary ones. For this exercises only the main ones are considered.

- Port Authority and Address:

Directorate General of Ports
P.O. Box 648
Tripoli, Libya
Telephone: 33100

- Agencies:

Contact Port Authority or Administration of Maritime Affairs Ministry of Communications and Maritime Transport, Tripoli, Libya.

- Documents:

- 7 copies, crew list
- 6 copies, passenger list
- crew declaration on bonded stores, store list, provisions list, currency list
- Health declarations, cholera and small pox certificates 8 copies manifest
- Bill of Lading (Shipping agent)
- All ships certificates (registration, log book, etc.)

- Bunker

Suppliers need 24 hours notice of bunker requirements

- Fresh water

Available along quay side, contact Port Authority

- Health

Quarantine flag should be hoisted until the doctor has been on-board. There is no automatic "free pratique" for a vessel arriving from another port of Libya.

- Medical

Hospital facilities are available. Doctors need 12 hours notice.

- Repair facilities

No ship repair facilities are available. Also inside port no repair is possible.

- Communications

Tripoli radio operates H/F, W/T and R/T services. Continuous watch from 0800Z to 1400Z daily. It is imperative that vessels contact the wireless station Tripoli port from a distance of 30 miles from the port. Giving the vessels position. The wireless station operates from 0700 to 2000 on the following frequencies: 500MZ, 2182MZ, and channel 16UHF. Call sign "Tripoli port Radio".

- Shore leave

Permitted

- Local time

GMT + 2 hours

- Related official bodies in port

Customs, immigration and quarantine offices located inside port area.

Holidays

- Revolution day (1st September)
- Evacuation day (31st March)
- Ed-El-Fitr
- Eid El Adhe
- New Year (Heja, around 1st April)

- Prophet's Birthday
- AsHoura
- Rajab
- Shaban
- Sudan Revolution Day (6 May)
- Libyan Education Day (6 June)
- RAU Revolution Day (23 July)

II. Technical Information

Entrance:

- Channels: The outer water area known as the navigational channel commencing as from the harbour entrance along the distingusting marks of the channel for a distance of 2 km.

- Tides: --

- Pilotage: Compulsory, regardless of tonnage. Contact pilot by cable or VHF or Radio, half an hour notice of ETA required.

- Towage: Tugs are available immediately when the pilot boards the ship.

- Salvage: --

- Others (specify) --

Berthing: Berthing priorities are there for vessels carrying fruit, vegetables and animals feed, regular liners, palletised cement vessels, timber vessels, and vessels with gears and winches.

	No.	Length	Depth
General cargo berths	8	--	22 ft
Passenger berths (at general cargo berth)	-	--	--
Oil berths	4	-	15-27 ft
Mineral berths	-	-	-
Timber berths (at general cargo berths)	-	-	-
Grain berths	-	-	-
Livestock berths (at general cargo berth)	-	-	-
Fruits and vegetable berths (at general cargo berth)	-	-	-
Container terminals (at general cargo berth)	-	-	-
Ro/Ro terminals (at general cargo berth)	-	-	-
Fish berths	-	-	-

Anchorage: buoys having draft of 23 ft.

Handling facilities:

Equipment: No special equipment for handling bulk cargoes besides mobile elvators owned by a private mill company for the discharging of wheat.

	No.	Type	Capacity
quay cranes	Available but no information	-	-
mobile cranes	Available but no information	-	-
floating cranes	1	-	100 T
yard cranes	Available but no information	-	-
transtainers	-	-	-

	No.	Type	Capacity
travel bridge cranes	-	-	-
gantry cranes	-	-	-
straddle carriers	Available, no information	-	-
forklists (general cargo)	Available, no information	-	-
container, forlifts	Available, no information	-	-
trailors	Available	-	-
tractors	Available	-	-
lighters	-	-	-
others (specify)	-	-	-

(d) Storage facilities: Stores and sheds are always limited because of lack of shore space. The city of Tripoli has almost edged out the port.

III. Other Transport Links to Port:

- Railway network: No rail link
- Road network: Tripoli connected by road with its hinterland
- Air connection: International airport; Yes. Tripoli airport is about 27 km from the city centre. There is a daily service to Europe.
- Inland Water Transport: - -
- Pipelines: - -

IV. Port Development and Expansion Plans

The port of Tripoli serves the whole area of Tripolitania. Since a long time both infrastructure and superstructures of the port of Tripoli has remained unchanged not meeting the increasing traffic demand. It was one of the reasons that congestion was offen occuring in the port. In order to improve the over-all port problem the Government of Libya is undertaking an expansion programme of the port currently.

BENGHAZI PORT

I. General Information

- Port Authority and address

Directorate General of Ports
P.O. Box 648
Tripoli, Libya
Tel. 33100

Benghazi Port
Telephone: 2983
Libya

- Agencies

Contact Administration of Marine Affairs
Ministry of Communications and Maritime Transport
Tripoli, Libya

- Documents

See under Tripoli Port

- Bunkers

Suppliers need at least 48 hours notice of bunkers' requirements

- Fresh water

Available at anchorage and all berths

- Health

See under Tripoli Port

- Medical

Doctor available, also hospital facilities

- Repair facilities

Minor repairs available and possible

- Communications

Message to Agents, Receivers, etc. normally through Malta Radio. Due to difficulty of communications, Masters are advised to maintain radio watches while anchored off port. When sending ETA include details of kind of cargo in each hatch and total tonnage in each hatch. R/T 2182 and VHF channel 16.

- Shore leave

Permitted

- Local time

GMT + 2 hours

- Related official bodies in port

Customs, immigration and quarantine offices located inside port.

- Holidays

- 22nd February
- 23rd July
- 28th September
- 25th May
- 1st September
- 21st November
- Id Al Adha
- Id Al Fitr

Note: Cargo can be worked during holidays on an overtime basis except Id Al Adha, 1st September, 28th September and Id Al Fitr.

II. Technical Information

Entrance: Vessels are not permitted to enter harbour between sunset and sunrise.

- Channels: -

- Tides: -

- Pilotage: Compulsory for all size vessels
- Towage: Available, join immediately after pilot boards
- Salvage: -
- Others (specify): -

Berthing

	No.	Length	Depth
General cargo berths	6	3540 ft	18-30 ft.
Passenger berths (at general cargo berth)	-	--	--
Oil berths	3	--	18-24 ft
Mineral berths	--	--	--
Timber berths (at general cargo berths)	--	--	--
Grain berths (at general cargo berth)	--	--	--
Livestock berths (at general cargo berth)	--	--	--
Fruits and vegetable berths (at general cargo berth)	--	--	--
Container terminals (at general cargo berth)	--	--	--
Ro/Ro terminals (at general cargo berth)	--	--	--
Fish berths	--	--	--

Anchorage: (Available)

Handling facilities:

Equipment: Unlike Tripoli, Benghazi has adequate cargo handling equipment.

	No.	Type	Capacity
quay cranes	Available	--	Up to 27
mobile cranes	Available	-	-
floating cranes	2	--	100 t each
yard cranes	--	--	--µ
transtainers	--	--	--
travel bridge cranes	--	--	--
gantry cranes	--	--	--
straddle carriers	--	--	--
forklifts (general cargo)	Available	-	--
container forklifts	--	--	--
trailors	Available	-	--
tractors	Available	-	--
lighters	--	--	--
Others (specify)	--	--	--

Storage facilities:

Adequate storage facility available unlike Tripoli port.

III. Other Transport Links to Port

- Railway network: No rail like
- Road network: Benghazi port is linked by road with its hinterland
- Air connection: International Airport; Yes. Benina Airport is situated 29 km away from the city centre. There are internationa daily flights.
- Inland water transport: --
- Pipelines: --

IV. Port Development and Expansion Plans

An extensive reconstruction and extension programme took place recently to provide adequate berthing facility. At present the port has 6 deep sea water berths of 30ft depth alongside and two smaller berths of 10 feet depth each. The port is provided with adequate cargo handling equipment and unlike Tripoli, has adequate storage and operational area. The capacity is adequate for the present traffic demand.

TUNISIA

I. General Information

Tunisia has six principal ports namely Tunisia, La Goulette, Bizerta, SFax, Sousse, and Gabes. All ports in Tunisia are connected both by road and rail transport with major industrial cities in the country. In this exercise only La Goulette/Tunisia and Bizerta ports are considered. For the rest of ports the following general information is provided.

Sousse port

It is an export port of salt and esparato. The two constitute 90% of the port traffic.

SFax port

It is a phosphate exporting port. It is the deepest port of 30 ft draught. In 1980 phosphate export of SFax was 3.5 million.

Gabes port

It is phosphate and sulpheric acid export port.

La Goulette /Tunis port

- Port Authority and Address

1. Office des Ports Nation aux Tunisienns (OPNT)
   Tunis, Tunisia

2. La Goulette/Tunis Ports

   Tel. (01) 275.300
   Telex 13.386 OPORNA

- Agencies:

1. Societe Tunisienne d'Acconage et de Manutention (STAM) for cargo handling

2. For shipping contact compagnie Tunisienne de Navigation

- Documents

  - 4 crew list
  - 5 passenger list
  - 2 crew manifest

- Bunker

  Available both along side berths and with barges

- Fresh water

  Available along side berths; also with water barge

- Health

  Masters are required to complete declaration of health on arrival

- Medical

  Advise Agent if Doctor required on board

- Repair facilities:

  Machinery and boiler repairs can be effected on board. For larger repair facilities are also available.

- Communications:

  1. Dunie radio 24 hours watch on 2182 Kc/s, radio telephone watch from 0600 to 2200 on 500 Kc/s. Goulette radio call sign 3VW 24 hour watch on 2182 Kc/s.

  2. VHF connection, shore to ship

- Shore leave

  Permitted

- Local time

  GMT + 1 hour

- Related official bodies in port

Customs, immigration and quarantine offices located inside the ports.

- Holidays

  - 20th March (Independence Day)
  - 1st May (Labour Day)
  - 25th July (Republic Day)
  - 15th October (Evacuation Day)
  - All Muslim religious holidays whose dates not fixed

II. Technical Information

Entrance:

The city of Tunis stands on the Lake of Tunis about 6 miles from the shore of the Gulf of La Goulette, with which it is connected by a dredged channel navigable by vessels. The depth of the channel is 12.5 meters.

- Channels: -
- Tides: -
- Pilotage: -
- For pilots use Goulette Radio station, call sign 3VU, 24 hours. Watch on 2182 kc/S. Pilotage is compulsory.
- Towage: Tugs are available to assist berthing as directed by the pilot.
- Salvage: Available, contact Port Authority
- Other (specify): -

Berthing:

La Goulette has two basins. They are the principal basin on 83.6 hectars and water depth of 12 m and external basin of 9.5 hectars and water depth of 3 m

	No.	Length	Depth
General cargo berths (Tunis)	12	---	10-12 m
Passenger berths (at general cargo berth)	---	---	---
Oil berths	1	---	12 m
Mineral berths	1	---	12 m.
Timber berths	---	---	---
Grain berths	---	---	---
Livestock berths	---	---	---
Fruits and vegetable berths	---	---	---
Container terminals	1	250	10-12 m
Ro/Ro terminals	1	250	10 m
Fish berths	---	---	---

Anchorage: Anchorage in the port roads are safe except during strong winds and heavy seas from the north to north-east; good holding ground.

Handling facilities

Stevedoring (public/private)

1. Societe Tunisienne de Acconage et de Manitention (STAM) for cargo handling.

2. Compagnie Tunisienne de Navigation for shipping

Equipment

	No.	Type	Capacity
quay cranes	3	---	7-15 T each
mobile cranes	8	---	3-10 T
floating cranes	1	---	60 T
yard cranes	---	---	---
transtainers	---	---	---

	No.	Type	Capacity
travel bridge cranes	--	---	---
gantry cranes	2	-	25 T Each
straddle carriers	4	---	25 T Each
forklifts (general cargo)	50	---	5-10T
container forklifts	1	---	25 T
trailers	36	---	--
tractors	20	---	---
Lighters	---	---	---
Others (specify)	---	---	---

Storage facilities

	No.	Area
Covered	20	23,000 m^2
Uncovered	---	370,000 m^2
Cold storage	2	20,000 m^3
Silos (cereals)	2	70,000 T cap.

XII. Other Transport Links to Port

- Railway network: Both in Goulette and Tunis ports are connected by rail and road to all ports of the country.
- Air connection: International Airport: Yes. Tunis has an international airport which connects it with the whole world.
- Inland Water Transport: -
- Pipelines: -

XV. Port Development and Expansion Plans

The expansion project of La Goulette port was completed in 1983 at an estimated cost of about $100 million. The project included provision of a container terminal, purchase of the necessary cargo handling equipment, storage facilities, container yards etc.

BIZERTA PORT

I. General Information

- Port Authority and Address

1. Office des port Nationaux Tunisiens (OPNT), Tunis, Tunisia

2. Bizerta port, Rue Tenak Buziada, Bizerte, Tunis, Tel. (02).31.13

- Agencies

1. Societe Tunisienne d'Acconage et de Manutention (STAM) for cargo handling

2. Compagnie Tunisienne de Navigation for Shipping Agency

- Documents

- 3 crew list
- 2 passengers list
- 4 crew personal effect lists
- Health declaration
- Manifests of provisions on board
- 2 copies vessels particulars declaration

- Bunker

Available alongside berths. Advance notice required

- Health

Available alongside quay at most berths

- Medical

Doctors available to board vessels

- Repair facilities

All hull, deck and engine repairs can be effected

- Communications

1. Messages for the port authorities can be sent by VHF

2. Bizerte Radio call sign 3 VW3. Other messages to agents through Tunis radio call sign 3VT

- Shore leave

Permitted

- Local time

GMT plus 1 hour

- Related official bodies in port

Customs, immigration and quarantine offices located inside port

- Holidays

There are 17 days official holidays during the year. Work can be carried out on all holidays except 1st May on payment of 100% overtime.

II. Technical information

Entrance:

Entry at night is restricted for tankers, which must complete their berthing operations one hour before sunset.

- Channels:

- Tides: Minimal

- Pilotage: Pilitage is compulsory. International code signals are used to call pilots. The pilot station can be contacted by VHF or radio telephone via Goulette Radio call sign 3VM.

- Towage: Tugs normally join vessels about 100 m outside the entrance channel
- Salvage: Available, contact port authority
- Others (specify): -

Berthing

	No.	Lengths	Depths
General cargo berths	3	660 m	30 ft
Passenger berths (at general cargo berth)	-	-	-
Oil berths	2	355 m	27-40 ft
Mineral berths	2	300 m	16-27 ft
Molasse pier	1	130 m	30 ft
Cement berth	1	150 m	27 ft
Fruits and vegetable berth	-	-	-
Container terminals	-	-	-
Ro/Ro terminals	-	-	-
Fish berths	-	-	-

Anchorage

Handling facilities

Stevedoring (public/private)

1. STAM - for cargo handling

Equipment

	No.	Type	Capacity
quay cranes	5	---	3-10 t
mobile cranes	3	---	3.5-7 t
floating cranes	1	---	30 t

	No.	Type	Capacity
yard cranes	---	---	---
transtainers	---	---	---
travel bridge cranes	---	---	---
gantry cranes	---	---	---
straddle carriers	---	---	---
forklifts general cargo	10	---	3-5 t
container forklifts	---	---	---
trailers	15	---	---
tractors	12	---	---
lighters	---	---	---

Others (specify): Crude and refined oil by pipes to refinary.

Storage facilities

	No.	Area
covered	5	22,450 m^2
uncovered	-	200,000 m^2
cold storage	---	---
silos	---	---

others (specify):

III. Other Transport Links to Port

- Railway network: Bizerte is well connected by rail.
- Road network: - Yes, good connection with its hinterland.
- Air connection: International airport - Yes. Carthage airport is situated 70 km from Bizerte. It is served by international airlines.

- Inland Water Transport: -

- Pipelines: -

IV. Port Development and Expansion Plans

The present port infrastructure is adequate to meet the traffic demand and as such there is no port development plan for the time being.

ALGERIA

ALGIERS PORT

I. General Information

Algeria has many port out of which Algiers, and Oran are important. The rest are Annaba, Ski Kola, Mostaganem, Ghazaonet, Bejaia and Arzew. For this exercise Algiers and Oran ports are considered.

- Port Authority and Address:

Capitainerie du port, quay d'Auray

Tel. 63.01.61 Algiers

- Agencies:

Contact Port Authority

- Documents:

- cargo manifest
- 3 crew lists
- 1 crew and passenger personal effects list
- 1 stores list
- 1 currency manifest
- 1 list of arms, ammunitions or military stores (or "Nil" declaration)
- 1 private bond and beer list
- 1 declaration of health. Immigration officials may require to inspect all discharged books or passports. Customs regulations are strictly interpreted. Care should be taken to ensure that all ships papers are perfectly in order. Vessels arriving with incomplete or inaccurate documentations have been subjected to severe delays and penalities.

- Bunkers

Deliveries by pipeline on most quays or by barge.

- Fresh water

  Delivered by pipeline to quay, or by barge

- Health

  Health officers board vessels on arrival

- Medical

  All medical assistances available

- Repair facilities

  All repairs are available. Dry docks facility available.

- Communications

  Algeria Radio, operates continuously

- Shore leave

  Permitted

- Local leave

  GMT

- Related official bodies in port

  Customs, immigration and quarantine offices located inside the port

- Holidays

  - 1st January
  - 5th July
  - 1st November plus religious holidays - Aid Seghir, Aid Kebir, New Year's day (Egira), Achoura and Mouloud. Contact Agents.

II. Technical Information

Entrance

- Channels: --
- Tides: --
- Pilotage: --
- Towage: --

  Tugs are available for towing in harbour

- Salvage: --
- Others (specify):

Berthing

	No.	Length	Depth
General cargo berths	54	9519 m	12 m
Passenger berths (at general cargo berth)	--	--	--
Oil berths	2	500 m	13 m
Mineral berths			
Timber berths (at general cargo berth)	--	--	--
Grain berths (at general cargo berth)	--	--	--
Livestock berths (at general cargo berth)	--	--	--
Fruits and vegetable berths (at general cargo berth)	--	--	--
Container terminals (at general cargo berth)	--	--	--
Ro/Ro terminals (at general cargo berth)	--	--	--
Fish berths	--	--	--

Anchorage: Algiers Bay is crescent-shaped with cape caxine on the west and cape matifon on the east. Depth 25-30m, bottom good holding.

c) Handling facilities: --

Equipment: All general cargo berths have cranes with lift of 3-6 tons.

d) Storage facilities: Available, but poor utilization of storage capacities. Cargo stay in port for months thus causing port congestion.

III. Other Transport Links to Port

- Railway network: Algiers port is connected by rail with its hinterland
- Road network: Good road connection exists between Algiers port and its hinterland.
- Air connection: International airport: Yes. Maison-Blanche at a distance of 20 km from the centre and several international flights daily.
- Inland Water Transport: --
- Pipelines: --

IV. Port Development and Expansion Plans

To build completely a new port 20 km away from the present port was earmarked some years back. The idea is still there but shelved for the time being. The present port of Algiers is old and and difficult to expand and modernize. The port was not originally built for commercial port purposes. As the time went by it was expanded without much plan to meet immediate traffic demands. A new construction will be justifiable.

ORAN PORT

I. General Information

- Port Authority and Address:

Port Autonom d'Oran
c/o Capitainerie du port, quay d'Auxay
Tel. 33-01-61

- Agencies

Contact Port Authority

- Documents

See under Algier's port

- Bunker

All grades of fuel available by pipeline at the oil berths

- Fresh water

Available by barge

- Health

Free pratique given by Brigade Maritime on arrival unless suspected disease on board when port doctor will visit the ship.

- Medical

Doctors and hospital facilities available

- Repair facilities

Only minor repairs can be effected

- Communications

Use Algier Radio

Shore leave

Permitted

Local time

GMT

Related official bodies in port

Customs, immigration and quarantine offices located in port area.

Holidays

See under Algiers port

11. Technical Information

Entrance

- Channels: --
- Tides: --
- Pilotage: --
- Compulsory, arranged by Agents basis vessels ETA
- Towage: Tugs are available to assist vessels berthing and unberthing
- Salvage: --
- Others (specify): --

Berthing

	No.	Length	Depth
General cargo berths	20	--	20-33 ft
Passenger berths (at general cargo berth)	--	--	--
Oil berths	2	--	33-39 ft

	No.	Length	Depth
Mineral berths	---	---	---
Timber berths (at general cargo berth)	---	---	---
Grain berths (at general cargo berth)	---	---	---
Livestock berths (at general cargo berth)	---	---	---
Fruits and vegetable berths (at general cargo berth)	---	---	---
Container terminals (at general cargo berth)	---	---	---
Ro/Ro terminals (at general cargo berth)	---	---	---
Fish berths	---	---	---

Anchorage: In depth over 40 ft available in the roads.

Handling facilities

Equipment

Cargo handling equipment are available of different types and size. Information on the number and capacity of the various cargo handling equipment available in the port not provided.

Storage facilities

There is also adequate storage facility in the port but detailed information on them was not available.

III. Other Transport Links to Port

- Railway network: The port is connected with its hinterland by rail.
- Road network: There is road system connected with the port.
- Air connection: International airport: Yes. La Senia, 7 km away. Daily flights to Algiers.

- Inland Water Transport: --

- Pipelines: ---

IV. Port Development and Expansion plans

Currently, there is no development programme envisaged for the port of GRAN.

MOROCCO

I. General Information

Morocco has two coastline which stretch over 3500 km. The two coastlines on the Atlantic Ocean and Mediterranian Sea include seven sea ports of significant importance for the development of maritime transport in the country. These ports are Casablanca, Mohamedia, Tangier, Kinatra, Agadir, Safi and Nador. Other ports of secondary importance are Hoceima, Larache, Essaouira, Eljadida, Mdiq, Jebha, Ifni, Laayoune and Dakhla.

Tangier - Main port in the Mediterranian Sea and main passenger port. 1980 traffic was 693,922 tons cargo and 1 million passengers.

Kinatra - Main cargoes are mineral ore, agricultural products and wine - 1980 traffic was 422,735 tons. It is a river port.

Agadir - Citrus fruits, early vegetables are main cargo. In 1980 the traffic was 849,990 tons.

Safi - Second phosphate exporting port after Casablanca. In 1980 traffic was 5.1 million.

- Port authority and address

1. Direction des ports de Casablanca et de Mohammedia Casablanca, Morocco.

2. Directeur du port palace Zallaga Casablanca, Morocco, Tel. 27-59-81.

- Agencies

1. Private Shipping Companies (contact port)

2. For cargo handling contact: Direction du port sont gexes par la Regie de Acconage du port de Casablanca (R.A.P.C.)

- Documents
  - Certificate of registration
  - Cargo manifest
  - Crew list
  - Passenger list
  - Customs declaration
  - Bill of health
  - Ships entry declaration
  - International tonnage certificate

- Bunker

  All grades available. Ex-wharf or by barge.

- Fresh water

  Numerous feeders along berths. Also delivery by barge is possible.

- Health

  Masters must fill in the declaration of health and display the "Q" flag, to obtain pratique. In the event of any problem, Masters have to inform Agents before arrival.

  Medical

  Hospital facilities are available. Agents should be informed before hand of requirements.

- Repair facilities

  Repair workshops and dry docking facilities available.

- Communications

1. For ETA cables to Agents, receivers etc. contact CASA RADIO.

2. VHF facility for shore to ship connection is available.

- Shore leave

Permitted

- Local time

GMT in winter plus one hour in summer.

- Related official bodies in port

Customs, immigration and quarantine offices located inside port area.

- Holidays

- 1st January
- 6th January
- 19 March
- Maundy Thrusday
- Good Friday
- 1st May
- Ascension day
- Corpus Christ
- 29th June
- 16th July
- 25th July
- 5th August
- 15th August
- 12th October
- 1st November
- 8th December
- Christmas Day
- All Islamic religious holidays which are not regular dated

II. Technical Information

Entrance:

- Channels: Vessels considered as "arrived" when passing buoy CA5 in position 33° 37' 05" N.
7° 35' 02" W.

- Tides: --

- Pilotage: Compulsory for all merchant vessels of 100 tons and over. Pilotage is available 24 hrs. The pilot meet vessels at the CA5 buoy.

- Towage: There are six tugs of various capacity for towage purposes.

- Salvage: Contact port authority.

- Others (specify) --

Berthing: 5503 meters of quay of different sizes and purposes.

	No.	Length	Depths
General cargo berths	10	1593 m	9-10 m
Passenger berths (at general cargo berth)	--	--	--
Oil berths	2	505 m	12 m
Mineral (Phosphate) berths:	3	1110 m	9-12 m
Iron ore berths:	1	200 m	9 m
Grain berths	1	220 m	8.5 m
Livestock berths	--	--	--
Fruits and vegetable fberths	4	1471 m	9-95 m
Container terminals	2	--	--
Ro/Ro terminals	1	--	--
Dangerous cargo berths	3	450 m	9-12 m

Anchorage: The anchorage outside Casablanca partially protected from winds.

Handling facilities: --

Stevedoring (public/private):

Equipment

	No.	Type	Capacity
quay cranes	111	---	Various
mobile cranes	10	---	Various
floating cranes	2	--	30T each
yard cranes	---	--	--
transtainers	--	--	--
travel bridge cranes	--	---	--
gantry cranes	4	---	25T each
straddle carriers	1	---	25T each
forklifts (general cargo)	133	---	---
container forklifts	3	--	25T each
trailors	1344	--	2.5-25T
tractors	102	--	--
lighters	---	---	--
others (specify)	1 pontoon (150T) and 16,500 pallets		

Storage facilities

	No.	Area
Covered	---	120,000 m^2
hangers	---	75,000 m^2
uncovered	---	300,000 m^2
cold storage	--	--
silos	--	70,000 T capacity

Others (specify): Phosphate storage 51,000 m^2, for minerals 16,200 m^2 for oil 40,000 T capacity, others 50,000 m^2.

III. Others Transport Links to Port

- Railway network: The port is connected with its hinterland by rail.
- Road network: The port is connected with its hinterland by road
- Air connection: International airport: Yes.
  International connection with the world.
- Inland Water Transport: ---
- Pipe Lines: Pipe line connections with Mohammedia Port for supply of oil to Casablanca.

IV. Port Development and Expansion Plans

The main port development project of the port of Casablanca port and construction of a container terminal. The project is an on-going one and the container terminal project is on Phase II stage. It is envisaged to be completed by 1988.

The other port project of Casablanca port is construction of a Senaphoric tower.

:MOHAMMEDIA PORTS

I. General Information

- Port Authority and address

1. Direction des ports de Casablanca et de Mohammedia
Casablanca, Morocco

2. Port de Mohammedia, Morocco
Tel. 23-32, Mohammedia

- Agencies

1. Private Shipping Companies

2. R.A.P.C. for Cargo (see under Casablanca)
(23 km from Casablanca)

- Documents

- Bill of health
- 3 crew list
- 3 passengers list
- 3 provisions list
- Manifests and ship's papers for Agents

- Bunker

Available from Casablanca

- Fresh water

Available alongside berths

- Health

Port sanitory control officer boards immediately after arrival for pratique delivery. For serious illness on board notify Agents in advance.

- Medical

  Hospital facilities are available

- Repair facilities

  Available from Casablanca by previous arrangement

- Communications

  1. Casablanca radio station

  2. VHF connection shore to sea

- Shore leave

  Permitted

- Local time

  GMT in winter plus one hour in summer

- Related official bodies in port

  Customs, immigration and quarantine offices located inside the port.

- Holidays

  See under Casablanca port

II. Technical Information

Entrance: --

- Channels: --
- Tides: --
- Pilotage: Compulsory for vessels entering the harbour or shifting berths
- Towage: --

  No tugs, but if necessary can be ordered from Casablanca

- Others (specify) --

b) Berthing: The infrastructure of the port consists of two locations for tankers 2700 mts and 2000 mts respectively and other two berthing facilities for general cargo vessels.

	No.	Length	Depth
General cargo berths	3	300 m	5.5-8.5 m
passenger berths	--	--	--
Oil berths (buoys)	4	4700 m	12 m
Mineral berths	--	--	--
Timber berths (buoy)	1	200 m	12 m
Grain berths	--	--	--
Livestock berths	--	--	--
Fruits and vegetable berths	--	--	--
Container terminals	--	--	--
Ro/Ro terminals	--	--	--
Fish berths	--	--	--

Anchorage: Three good anchorages available

Handling facilities: --

Stevedoring (public/private)

(R.A.P.C.) See under Casablanca port. Mohammedia is mainly an oil terminal for the refinery. The traffic 95% is oil. There are few cranes, forklifts and tractors for general cargo. Crud oil is discharge through pipes to the refinary at anchorage. There is pipeline connecting Mohammedia with Casablanca. Total traffic for 1900 was 4.8 million tons (95% oil).

Storage facilities: Several oil storage facilities are available.

III. Other Transport Links to Port

- Railway network: Connected by rail with all parts of Morocco. Oil is distributed from Mohammedia port to most parts of the the country by rail.
- Road network: Road connection of Mohammedia port with the rest of Morocco is good.
- Air connection: Yes. In Casablanca which is 23 km away.
- Inland Water Transport: ---
- Pipelines: Connected with Casablanca for oil supply.

IV. Port Development and Expansion Plans

Observation - It is a petroleum port with the main aim to serve the oil refinary located there. No development plan is envisaged for the time being. The oil refinary and the oil pipe to Casabalanca port were completed recently.